SESSIONAL PAPERS.

VOL. XXII — PART I.

FOURTH SESSION OF SIXTH LEGISLATURE

OF THE

PROVINCE OF ONTARIO.

SESSION 1890.

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Ardagh, Judge, commutation	44	*Printed.*
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CONTENTS PART I.

No. 1.. Return to an Order of the House of the sixth day of March, 1889, shewing the names of all publishers of Public School text books, with the respective books published by them and the prices thereof. Also, for copies of all correspondence by or with the Minister of Education or any officer of his Department respecting the price or publication of Public School text books, subsequent to that already brought down. Presented to the Legislature, 4th February, 1890.—*Mr. Preston.* (*Printed.*)

No. 2.. Return to an Order of the House of the eleventh day of March, 1889, shewing the number and location of Public Schools in Ontario in which any language other than English is used in the work of teaching, either wholly or in part. A list of text books in any language other than English used in such schools. The total number of scholars attending each of such schools. The number of scholars in each of such schools using text books in any language other than English. The number of teachers in such schools who cannot use the English language in teaching. Presented to the Legislature, 4th February, 1890.—*Mr. Craig.* (*Printed.*)

No. 3.. Report of the Inspector of Insurance for the year 1889. Presented to the Legislature, 3rd February, 1890. (*Printed.*)

No. 4.. Report of the Registrar-General, relating to the Registration of Births, Marriages and Deaths for the year 1888. Presented to the Legislature, 7th February, 1890. (*Printed.*)

No. 5.. Report of the Ontario Agricultural and Experimental Union for the year 1889. Presented to the Legislature, 7th April, 1890. (*Printed.*)

CONTENTS PART II.

No. 6.. Report of the Minister of Education for the year 1889, with the Statistics of 1888, in which is included the Reports of Mechanics' Institutes, Scientific Societies, Toronto University, School of Practical Science and Upper Canada College. Presented to the Legislature, 6th March, 1890. (*Printed.*)

No. 7.. Regulations and Correspondence relating to French and German Schools in the Province of Ontario. Presented to the Legislature, 31st January, 1890. (*Printed.*)

CONTENTS PART III.

No. 8.. Report of the Council of the Agricultural and Arts Association for the year 1889. Presented to the Legislature, 13th February, 1890. (*Printed.*)

No. 9.. Report on the working of the Tavern and Shop Licenses Acts for the year 1889. Presented to the Legislature, 6th February, 1890. (*Printed.*)

No. 10.. Report upon the Asylums for the Insane and Idiotic, for the year ending 30th September 1889. Presented to the Legislature, 28th February, 1890. (*Printed.*)

No. 11.. Report upon the Common Gaols, Prisons and Reformatories for the year ending 30th September, 1889. Presented to the Legislature, 3rd March, 1890. (*Printed.*)

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No. 12.. Report upon the Institution for the Instruction and Education of the Deaf and Dumb, Belleville, for the year ending 30th September, 1889. Presented to the Legislature, 31st January 1890. (*Printed.*)

No. 13.. Report upon the Institution for the Education and Instruction of the Blind, Brantford, for the year ending 30th September, 1889. Presented to the Legislature, 31st January, 1890. (*Printed.*)

No. 14.. Report upon the Hospitals of the Province, for the year ending 30th September, 1889. Presented to the Legislature, 12th March, 1890. (*Printed.*)

No. 15.. Report upon the Houses of Refuge and Orphan and Magdalen Asylums for the year ending 30th September, 1889. Presented to the Legislature, 20th March, 1890. (*Printed.*)

No. 16.. Bursar's Statement of Cash Transactions of the Upper Canada College for the year ending 30th June, 1889. Presented to the Legislature, 18th March, 1890. (*Printed.*)

No. 17.. Report of the Entomological Society for Ontario, for the year 1889. Presented to the Legislature, 31st March, 1890. (*Printed.*)

No. 18.. Public Accounts of the Province for the year 1889. Presented to the Legislature, 11th February, 1890. (*Printed.*)

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No. 19.. Estimates for the service of the Province until the Estimates for the year are finally passed. Presented 4th February, 1890. (*Not Printed.*) Estimates for the year 1890. Presented 12th February, 1890. (*Printed.*) Estimates for the service of the Province, until the estimates for the year are finally passed. Presented 10th March, 1890. (*Not Printed.*) Supplementary Estimates for the year 1890. Presented 3rd April, 1890. (*Printed.*)

No. 20.. Report of the Fruit Growers' Association for the year 1889. Presented to the Legislature, 24th March, 1890. (*Printed.*)

No. 21... Report of the Commissioner of Public Works for the year 1889. Presented to the Legislature, 18th February, 1890. (*Printed.*)

No. 22.. Report of the Commissioner of Crown Lands for the year 1889. Presented to the Legislature, 12th March, 1890. (*Printed.*)

No. 23.. Report of the Department of Immigration for the year 1889. Presented to the Legislature, 7th March, 1890. (*Printed.*)

No. 24.. Report of the Ontario Agricultural College and Experimental Farm for the year 1889. Presented to the Legislature, 24th March, 1890. (*Printed.*)

No. 25.. Statement as to the disposal of the Revised Statutes of Ontario for the year 1889. Presented to the Legislature, 3rd February, 1890. (*Not Printed.*)

No. 26.. Return to an Order of the House of the eighteenth day of March, 1889, shewing the number of documents filed under the "Custody of Title Deeds Act" up to the first day of January, 1889, and the amount of fees received. And shewing also, the amount paid in each Registration Division for the necessary books as required under the Act. Presented to the Legislature, 4th February, 1890.—*Mr. Wood, (Hastings.)* (*Not Printed.*)

No. 27.. Return to an Order of the House of the 18th day of March, 1889, shewing the Township Municipalities in which the Act to impose a tax on Dogs and for the Protection of Sheep is in force; the number of dogs assessed in such municipalities; the number of sheep killed and injured, and the amount paid for the same by such municipalities for the years 1886, 1887 and 1888 respectively. Also, shewing the municipalities in which a by-law is in force for the assessment of dogs without providing for damages to sheep, and the number of dogs so assessed for the above years, respectively. Presented to the Legislature, 4th February, 1890.—*Mr. Dryden.* (*Printed.*)

CONTENTS PART VI.

No. 28.. Extracts and Statements respecting Bi-lingual teaching in Great Britain, the United States and Canada. Presented to the Legislature 17th February, 1890. (*Printed.*)

No. 29.. Orders in Council, made in the year 1889 under the Revised Statutes of Ontario, 1887, Cap. 224, respecting the Education Department. Presented to the Legislature 6th February, 1890. (*Not printed.*)

No. 30.. Regulations made or revised by the Department of Education during the year 1889. Presented to the Legislature 6th February, 1890. (*Not printed.*)

No. 31.. Statement of the Returns made by Municipalities under the Tile, Stone, and Timber Drainage Act, R. S. O., 1887, Cap. 39, for the year 1889. Presented to the Legisluture 6th February, 1890. (*Not printed.*)

No. 32.. Statement of the affairs of the Toronto General Trusts Company under the provisions of 35 Vic., Cap. 83, Sec. 13. Presented to the Legislature 6th February, 1890. (*Not printed.*)

No. 33.. Return to an Order of the House of the thirteenth day of March, 1889, shewing in detail the number of Public School teachers who have accepted the terms heretofore imposed in regard to the Superannuation Fund and have withdrawn one-half of the amount paid in. The number of teachers who

have not accepted the terms, and shewing to what purposes the sums not already withdrawn are devoted, or how funded. Presented to the Legislature 7th February, 1890. *Mr. Blythe.* (*Printed.*)

No. 34.. Copy of a Minute of the Department of Education respecting the study of English in those schools in which the French or German language prevails. Presented to the Legislature 11th February, 1890. (*Not printed.*)

No. 35.. Report of the Inspectors of Factories for the year 1889. Presented to the Legislature 14th February, 1890. (*Printed.*)

No. 36.. Report of the Inspector of Legal Offices for the year 1889. Presented to the Legislature, 3rd April, 1890. (*Printed.*)

No. 37.. Supplementary Return to an Order of the House of the fourth day of February, 1889, shewing the amount paid out from municipal funds, either by direct grants or remission of taxes, in each city, town, village or rural municipality in the Province of Ontario during 1887 or 1888, for the relief of poor and indigent persons, but not including any sum paid for the support of a House of Industry or similar institution; the number of indigents a permanent charge upon any municipality in 1887 and 1888, and the number of such indigents who received temporary aid from municipal funds in 1887 and 1888. Presented to the Legislature 18th February, 1890. *Mr. Clarke* (*Wellington.*) (*Printed.*)

No. 38.. Return to an Order of the House of the twenty-fifth day of February, 1889, shewing the name of the municipalities which have passed by-laws under the authority of the "Ontario Shops Regulation Act," distinguishing between cases where such by-laws were passed without petitions in favour thereof. And shewing also, the date of the passing of each such by-law; the class or classes of shops to which each such by-law applied; the hour at, and the period of the year during which the respective classes of shops were by the by-law required to be closed, and which of such by-laws have been repealed. Presented to the Legislature 18th February, 1890. *Mr. Morgan.* (*Printed.*)

No. 39.. Analysis of Reports of County, Township and Horticultural Societies for the year 1888. Presented to the Legislature 20th February, 1890. (*Not printed.*)

No. 40.. A brief history of Public and High School Text-Books authorized for the Province of Ontario, 1846-1889. Presented to the Legislature 26th March, 1890. (*Printed.*)

No. 41.. Report of the Inspector of the Elgin House of Industry for the year 1889. Presented to the Legislature 20th February, 1890. (*Not printed.*)

No. 42.. Copy of an agreement between the Inspector of Prisons and Public Charities and H. A. Nelson & Sons, relative to the manufacture of brooms at the Central Prison. Also, of Order in Council approved by His Honour the Lieutenant-Governor, the fifteenth day of June, A.D. 1889, authorizing the said agreement. Also, of agreement between the Inspector of Prisons and Public Charities and the Brandon Manufacturing Company of Toronto (Limited), relative to the manufacture of woodenware at the Central Prison. Also, of Order in Council approved by His Honour the Lieutenant-Governor, the thirty-first day of December, A.D, 1889, authorizing the said agreement. Presented to the Legislature 11th March, 1890. (*Printed.*)

No. 43.. Return to an Order of the House of the tenth day of February, 1890, shewing a copy of the Case submitted by the Minister of Education for the opinion of the Judges of the Chancery Division of the High Court of Justice, as to the true construction of certain provisions of the Public School Act relating to Separate School supporters. Also, the answers given by the Judges to the questions submitted by the Case. Presented to the Legislature 24th February, 1890. *Mr. Meredith.* (*Printed.*)

No. 44.. Copy of an Order in Council increasing the commutation of the Surrogate Court fees payable to His Honour Judge Ardagh. Presented to the Legislature 25th February, 1890. (*Printed.*)

No. 45.. Return to an Address to His Honour the Lieutenant-Governor, of the nineteenth day of February, 1890, praying that he will cause to be laid before the House, a copy of the Order in Council appointing W. H. Spencer Police Magistrate for parts of the Districts of Muskoka and Parry Sound, and fixing his salary or emolument, and of the Commission issued to him as such Police Magistrate. Presented to the Legislature 25th February, 1890. *Mr. Marter.* (*Printed.*)

No. 46.. Return to an Order of the House of the twenty-first day of February, 1890, shewing the amount of disbursements connected with the Registrar of Deeds office in the City of Toronto for the year 1889, as follows :—(*a*) To the City of Toronto. (*b*) To the Deputy Registrar. (*c*) To other clerks and assistants. (*d*) For other purposes. Also, shewing the gross earnings of the Registrar for the year 1889, and the total amount received by the Registrar for his personal use ; and also a statement of the expenditure, if any, rendered necessary in consequence of the creation of the second Registrar for the City of Toronto, together with a copy of the report of any committee, or sub-committee of the Council of the City of Toronto shewing the necessity for new buildings for the accommodation of the registry officers, books, papers, documents and like matter relating to said city. Presented to the Legislature 28th February, 1890. *Mr. H. E. Clarke* (*Toronto.*) (*Printed.*)

No. 47.. Bursar's statement of cash transactions of the University of Toronto for the year ending 30th June, 1889. Presented to the Legislature 3rd March, 1890. (*Printed.*)

No. 48.. Report of Robert H. Lawder upon the cultivation of the sugar beet in Ontario. Presented to the Legislature 4th March, 1890. (*Printed.*)

No. 49.. Report of the Dairy and Creamery Association of the Province for the year 1889. Presented to the Legislature 4th March, 1890. (*Printed.*)

No. 50.. Report of the Sheep Breeders' Association of Ontario for the year 1889. Presented to the Legislature 5th March, 1890. (*Printed.*)

No. 51.. Statement of the Returns forwarded to the office of the Provincial Secretary of all the fees and emoluments received by the Registrars of Ontario for the year 1889, made in accordance with the provisions of R. S. O., 1887, Cap. 114, Sec. 100, with which are contrasted receipts of the same nature in 1887 and 1888. Presented to the Legislature 5th March, 1890. (*Printed.*)

No. 52.. Return to an Order of the House of the nineteenth day of February, 1890, shewing the number and designation of School Boards in the cities, towns and incorporated villages in Ontario which have adopted the use of the

ballot at annual school elections under section 103 of chapter 225 R. S. O., with the number of School Boards in cities, towns and villages which have not adopted the ballot for such purposes. Presented to the Legislature 5th March, 1890. *Mr. Clarke* (*Wellington.*) (*Printed.*)

No. 53.. Papers and Correspondence respecting French Schools. Presented to the Legislature 6th March, 1890. (*Printed.*)

No. 54.. Return to an Order of the House of the twenty-eighth day of February, 1890, shewing in detail the amount, if any, paid out by the Crown on behalf of lots 83 and 84 in the 3rd concession south-west Toronto and Sydenham road, being a portion of the Mercer estate; also, shewing the amounts received for the sale of the same, and copies of all correspondence relating thereto. Presented to the Legislature 10th March, 1890. *Mr. Blythe.* (*Not printed.*)

No. 55.. Return to an Order of the House of the twenty-eighth day of February, 1890, specifying the amount of debentures issued on the credit of the permanent fund of the University of Toronto under the authority of section 5 of chapter 231, R. S. O., the amount realized by the sale of such debentures and the buildings, for the erection or alteration of which the money thus raised has been appropriated, with the estimated cost of the work done, or to be done, on each building. Presented to the Legislature 11th March, 1890. *Mr. Balfour.* (*Printed.*)

No. 56.. Return to an Address to His Honour the Lieutenant-Governor of the twenty-eighth day of February, 1890, praying that he will cause to be laid before the House a Return of a copy of the Order in Council authorizing the erection of the building known as the Biological Building in connection with the University of Toronto. Also, of any resolutions, recommendations or memorials from the Senate or Board of Trustees, asking for the appropriation of money for this purpose out of the permanent fund of the University, and of any contract that may have been let for additions to the building not yet completed. Presented to the Legislature 11th March, 1890. *Mr. Balfour.* (*Printed.*)

No. 57... Return to an Order of the House of the twenty-eighth day of February, 1890, shewing the total attendance of students matriculated and non-matriculated of each sex in University College from 1880 to 1890 inclusive. The number of graduates who have during each of these years lived in the College residence. The number of graduates who retained their rooms in residence during 1888, 1889 and 1890. The receipts and expenditures for the year 1888 and 1889, including list of water, fuel and gas and what proportion of the interior of the building is devoted to residence purposes. Presented to the Legislature 11th March, 1890. *Mr. Wood,* (*Hastings.*) (*Printed.*)

No. 58.. Statement of Returns transmitted by Municipal Councils to the office of the Provincial Secretary of the several debts of the corporation as they stood on the 31st day December, 1889, in accordance with the provisions of Section 382, Cap. 184, R. S. O., 1887. Presented to the Legislature 11th March, 1890. (*Not printed.*)

No. 59.. Statement of Returns transmitted by Municipal Corporations to the office of the Provincial Secretary of the debentures issued by them up to the 31st day of December, 1889, in accordance with the provisions of Section 5,

Cap. 186, R.S.O., 1887. Presented to the Legislature 11th March, 1890. (*Not printed.*)

No. 60.. Return to an Order of the House of the third day of March, 1890, shewing the amount expended in the year 1883, in Killarney out of the appropriation for Colonization Roads, with the dates and items, and persons to whom, and purposes for which the moneys were expended. Presented to the Legislature 12th March, 1890. *Mr. Monk.* (*Not printed.*)

No. 61.. Return to an Order of the House of twenty-eighth day of February, 1890, respecting the claim of John Eden, of Aylmer, for work done in digging wells by direction of Coroner McLay in connection with the enquiry made by him as to the death of one Gilford Williams, who was supposed to have been murdered, and for a statement in detail of all expenditure incurred in connection with the said enquiry, shewing the persons to whom any moneys were paid, and the dates when and the purposes for which the same were paid or expended. Presented to the Legislature 11th March, 1890. *Mr. Meredith.* (*Not printed.*)

No. 62.. Report of the Inspector of Division Courts for the year 1889. Presented to the Legislature 14th March, 1890. (*Printed.*)

No. 63.. Report of the Inspector of Registry Offices for the year 1889. Presented to the Legislature 14th March, 1890. (*Printed.*)

No. 64.. Return (in part) to an Order of the House of the fifth day of February, 1890, giving the dates, number of acres, location or other description of each Free Grant made since the first day of July, 1857, under the authority of section thirteen of "The Public Lands Act," or the like section in force from time to time, with the names of the persons or corporations to whom each of these grants were made, with the purposes for which they were made. Also, all correspondence respecting these grants or any other grants applied for under the said section during the said period. Presented to the Legislature 19th March, 1890. *Mr. Creighton.* (*Printed.*)

No. 65.. Report of the Commissioners for Queen Victoria Niagara Falls Park for the year 1889. Presented to the Legislature 20th March, 1890. (*Printed.*)

No. 66.. Correspondence relative to the Accounts between the Provinces of Ontario and Quebec and the Dominion of Canada. Presented to the Legislature 20th March, 1890. (*Printed.*)

No. 67.. Return to an Order of the House of the twenty-eighth day of February, 1890, shewing the number of Counties in the Province of Ontario, in which the Temperance Act of 1878 was in force on the first day of May, 1885. The number of County Councils to which it was submitted, prior to the first day of May, 1887, a Resolution affirming the expediency of the appointment of a salaried Police Magistrate, in compliance with 48 Vic., Cap. 17, Sec. 1. The names of the Counties in which such resolution was carried. The names of the Counties in which such resolution was lost. Also, number of Counties in which Police Magistrates were appointed under 50 Vic., Cap. 111, Sec. 1. Presented to the Legislature 20th March, 1890. *Mr. McLaughlin.* (*Printed.*)

No. 68.. Return to an Address to His Honour the Lieutenant-Governor of the nineteenth day of February, 1890, praying that he will cause to be laid before the House a Return of all cases in which fines or penalties imposed by

any Court have been remitted, or proceedings for the recovery of them have been stayed by the action of the Executive Government, or any member thereof, and of all cases in which persons liable upon recognizances of Bail have been released from liability or the proceedings against them have been stayed by the like action, with the reasons for the action taken in each case and also for copies of all Orders in Council relating to the said matters. Such Return to include the year 1873 and to continue down to the present time. Presented to the Legislature 24th March, 1890. *Mr. French.* (*Printed.*)

No. 69.. Report of the Master of Titles for the City of Toronto and County of York, under the Land Titles' Act for 1889. Also, Return of Fees received by the Master. Presented to the Legislature 25th March, 1890. (*Printed.*)

No. 70.. Return to an Order of the House of the eleventh day of February, 1890, shewing the dates in each year from 1884 to 1889, both inclusive, on which the Legislative Assembly of Ontario was convened and prorogued respectively. The dates during each Session of the Legislative Assembly on which all the several reports printed by order of the Legislative Assembly were presented during the same years. Presented to the Legislature 26th March, 1890. *Mr. Clancy.* (*Not printed.*)

No. 71.. Return to an Address to His Honour the Lieutenant-Governor, of the twenty-first day of March, 1890, praying that he will cause to be laid before the House a Return of copies of any correspondence between the Ontario and Dominion Governments, or between the former and any Corporation or person, relating to the ownership, sale or lease of the Dundas and Waterloo macadamized road, together with copies of any papers in the possession of the Government relating thereto, subsequent to that already brought down in the year 1886. Presented to the Legislature 26th March, 1890. *Mr. McMahon.* (*Not printed.*)

CONTENTS PART VII.

No. 72.. Report of the Provincial Board of Health for the year 1889. Presented to the Legislature 28th March, 1890. (*Printed.*)

No. 73.. Return to an Order of the House of the twelfth day of March, 1890, of a copy of the Judgment pronounced by the Honourable Mr. Justice Robertson, in an action in the High Court of Justice, wherein John J. Gosnell is plaintiff and Isaac Swarthout and others are defendants, and copies of all correspondence between the License Commissioners for the East Riding of the County of Kent, and the Provincial Secretary or any other member or officer of the Government on the subject of the granting of the licenses which were in question in the said action. Also, copies of all minutes of the Commissioners, with regard to the granting of said licenses, and all reports relating thereto. Presented to the Legislature 28th March, 1890. *Mr. Meredith.* (*Printed.*)

No. 74.. Return to an Order of the House of the nineteenth day of February, 1890, shewing what applications have been made for payments out of the Consolidated Revenue under the provisions of Section 4 of Chapter 4, 43 Victoria, in respect of the dues on pine trees. Also, shewing what is the aggregate sum which, up to the first day of February last, the patentees of lands, subject to the provisions of the Act, are entitled to receive out of the dues collected on pine trees cut after the date of their patents. Presented to the Legislature 28th March, 1890. *Mr. Marter.* (*Printed.*)

No. 75.. Return to an Address to His Honour the Lieutenant-Governor of the twenty-first day of March, 1890, praying that he will cause to be laid before the House, copies of any papers, memorials or petitions addressed to the Lieutenant-Governor in Council, or to any member of the Government, since the late partial destruction of the Provincial University building, for or against the maintenance of a residence in connection with that institution. Presented to the Legislature 31st March, 1890. *Mr. Balfour.* (*Not printed.*)

No. 76.. Report of the Poultry Association of Ontario for the year 1889. Presented to the Legislature 31st March, 1890. (*Printed.*)

No. 77.. Report of the Eastern Ontario Poultry and Pet Stock Association for the year 1889. Presented to the Legislature 31st March, 1890. (*Printed.*)

No. 78.. Report of the Ontario Bee-keepers' Association for the year 1889. Presented to the Legislature 31st March, 1890. (*Printed.*)

No. 79.. Return to an Address to His Honour the Lieutenant-Governer of the twenty-first day of March, 1890, praying that he will cause to be laid before the House a copy of a Petition presented to His Honour the Lieutenant-Governor from the Municipal Corporation of the Village of Cayuga, relating to the Grand River Navigation Company. Also, for a copy of all correspondence relating thereto. Presented to the Legislature 31st March, 1890. *Mr. Harcourt.* (*Printed.*)

No. 80.. Report of the Bureau of Industries for the year 1889. Presented to the Legislature 1st April, 1890. (*Printed.*)

No. 81... Papers and Documents relating to the Ontario and Rainy River Railway Company and the Ottawa and Parry Sound Railway Company. Presented to the Legislature 2nd April, 1890. (*Printed.*)

No. 82.. Documents and papers relating to the Upper Canada Improvement Fund. Presented to the Legislature 2nd April, 1890. (*Printed.*)

No. 83 . Return to an Order of the House of the fifth day of March, 1890, shewing in tabulated form a statement of Provincial Revenue from all sources, for each year since Confederation to the close of 1889, specifying such annual receipts under the various headings used in the Public Accounts of the Province. A similar statement of Provincial expenditure during the same period. Presented to the Legislature 2nd April, 1890. *Mr. Clarke,* (*Wellington.*) (*Printed.*)

No. 84.. Report of the Secretary and Registrar of the Province for the year 1889. Presented to the Legislature 2nd April, 1890. (*Printed.*)

No. 85.. Return to an Order of the House of the fifth day of March, 1890, shewing the amount still to be paid on Railway Aid Certificates issued by the Province, with the dates when the same became due and payable. Also, shewing the amounts of Annuity Certificates issued by the Province with the dates when they become due and payable. Also, an Estimate of the present value of the said Railway Aid Certificates and Annuity Certificates respectively. Also, specifying the amount to be paid on account of principal and interest respectively in each year during the currency of said Certificates. Presented to the Legislature 2nd April, 1890. *Mr. Balfour.* (*Printed.*)

No. 86.. Return to an Order of the House of the twenty-eighth day of February, 1890, shewing the number of Shop and Tavern Licenses granted to persons resident in Killarney in each of the years 1888 and 1889 and the names of the persons to whom they were respectively granted. Also, for copies of all petitions for or against the granting of such licenses or any of them, and of all correspondence between the head, or any officer of the License Branch of the Department of the Provincial Secretary, and any other person on the subject of the granting or working of such licenses, or any of them, and shewing also, the population of Killarney during the same years. Presented to the Legislature 2nd April, 1890. *Mr. Meacham.* (*Not printed.*)

No. 87... Report of E. B. Borron, upon the resources of the northerly part of the Province of Ontario and his explorations therein. Presented to the Legislature 7th April, 1890. (*Printed.*)

RETURN

To an Order of the Legislative Assembly passed on the 6th March, 1889, for a Return shewing the names of all publishers of Public School Text Books, with the respective books published by them and the prices thereof. Also of copies of all correspondence by or with the Minister of Education, or any officer of his Department, respecting the price or publication of Public School Text Books, subsequent to that already brought down.

J. M. GIBSON,
Secretary.

Provincial Secretary's Office,
Toronto,

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PUBLIC SCHOOL TEXT BOOKS.

Publisher.	Name of Book.	Price.
		Cents.
Canada Publishing Company	The Ontario Readers :—	
(*The Ontario Readers are also published by W. J. Gage & Co. and Copp, Clark & Co.*)	First Reader—Part I.	10
	" Part II.....	15
	Second Reader	25
	Third "	35
	Fourth " .....t.....	50
	Public School Arithmetic	25
	" Geography	75
	Campbell's Modern School Geography..... (Not being printed now.)	75
	Public School Grammar.....	25
	Morris & Bowen's English Grammar and Exercises.. (None being printed now.)	25
	Morris' English Grammar, Primer..... (None being printed now.)	20
	Jeffers' History of Canada, Primer	30
	Public School Drawing Course—Books 1, 2, 3, 4 and 5 ; each number	10
	Public School Music Reader	40
The Copp, Clark Co. (Limited), Toronto ..	Elementary Arithmetic, by Smith & MacMurchy ...	25
	Public School History of England and Canada	35
W. J. Gage & Co., Toronto	Kirkland & Scott's Elementary Arithmetic	25
	Mason's Outline of English Grammar	45
	Miller's Swinton's Language Lessons.....	25
Warwick & Sons	Connor's Elements of Etymology ..... (None being printed now.)	25
	Elementary Arithmetic, by Smith & MacMurchy ... (Formerly printed by this firm, but they will print no more.)	25
John Lovell, Montreal	Lovell's Intermediate Geography	56
James Campbell & Son, Toronto	Calkin's World—An Introductory Geography ..... (This publishing firm extinct, but book is on *italicized* Public School List ; a few books possibly in use still.)	50

PUBLIC SCHOOL TEXT BOOKS.—*Continued.*

Publisher.	Name of Book.	Price.
		Cents.
James Campbell & Son, Toronto	Geikie's Physical Geography, Primer	
	(In same position as preceding book.)	25
Grip Printing and Publishing Company, Toronto	Public School Temperance	25
Selby & Co., Toronto	Kindergarten Drawing Course, Parts I. and II; each	10
—	—	Canadian price on Auth. List.
		Cents.
Macmillan & Co., London and New York..	Geikie's Physical Geography, Primer; price, 1s.....	25
	Morris & Bowen's Grammar and Exercises; 1s.	25
	Morris' English Grammar; price, 1s.	20

CORRESPONDENCE.

EDUCATION DEPARTMENT,
TORONTO, March 27th, 1888.

GENTLEMEN,—Your attention is called to the accompanying copy of the First Reader, Part II, Ontario series, of which the paper used for the first part pp. 1-64 is of a decidedly toned quality—the remainder of the book, pp. 65 to end, being of a slightly toned or nearly white color.

The Minister would like to know what quantity of this book has been put upon the market in this form, and how the error has arisen.

Please return the sample with your reply.

Yours truly,

ALEX. MARLING,
Secretary.

W. J. GAGE & Co.
Toronto.

TORONTO, March 31st, 1888.

ALEX. MARLING, Esq., M.A.,
Secretary Education Department,
Toronto.

DEAR SIR,—Your favor *re* paper in First Reader, Part II, is before us. This is the first copy the writer has seen shewing any difference in the tinting. On making enquiries, we find there are only a couple of hundred out of an edition of some 40,000. The mistake arose, in some way, in our printing room. Of course, there will not be such a marked difference in the paper when the book is bound up for some time, as the paper usually darkens a little.

We regret that this difficulty should have occurred, as we always use every endeavor to have the paper as near the tint as possible by sending a sample of paper to the mill to be matched.

Yours faithfully,

W. J. GAGE & CO.

Hon. G. W. Ross,
Minister of Education,
Toronto.

DEAR SIR,—I have been preparing a little book, a kind of dictionary of the proper names and adjectives of the Ontario Readers. It is now nearly ready for the press, (first part quite ready.)

I send you a few samples. From what I know, I have reason to believe it will prove a useful book to both teachers and pupils.

A good deal of time has been spent upon it. Please advise as to what I ought to do with it.

I am dear sir,
Yours very truly,

J. COYLE BROWN.

Peterboro', May 7th, 1888.

There are 750 words explained, and perhaps, twice as many pronounced.

J. C. B.

TORONTO, May 10th, 1888.

MY DEAR SIR,—I have looked over the manuscript, which I now return, of your proposed notes on the Ontario Readers. From the sample page your work appears to be well done and, no doubt, would prove useful. The question that occurs to me, however, is, can a place be found for it? We have notes on the 4th and 5th Readers, and occasional explanations of words in the body of the Third Reader. Does it not appear like discounting the course of instruction required by our teachers to supply them with such a multiplicity of notes in regard to every detail of their work? Are we not taking away all incentives to effort on their part?

I have several times protested against the notes used in High Schools, and, in order to protect the pupils against publishers of such notes, I was obliged to authorize one separate series. Of course, if you can get a publisher to take up your work and find a market for it, I shall not offer any objection, but it must be clearly understood that it cannot, in any form, be introduced into the schools as an authorized text book.

Yours truly,

GEO. W. ROSS.

J. COYLE BROWN, Esq.,
Peterborough.

BOSTON, MASS., June 4th, 1888.

DEAR SIR,—We sent to you some time since a copy of Seaside and Wayside No. 1, of our series of nature readers. We have just published, and take pleasure in sending with this, a copy of No. 2 of the same series, If, from inspection of the two numbers sent, you think you would like to see the third (to be published shortly), please inform us and we will forward it as soon as issued.

The interest which the use of the first volume has aroused, and the number of schools, and cities that have already adopted it, warrant us in believing that we have in these little books a series destined to be eminently popular and profitable.

We send you a few of the notices of the first book that have come to us. We shall soon publish the many enthusiastic testimonials whichwe have received from scientists, from teachers, and from parents, and should value highly your opinion of the book, with or without the privilege of publication.

If you have not time at this busy season of the year to examine the book at once, will you please put it to the test in the hands of one of your teachers in whose judgment you have confidence, and oblige,

Respectfully yours,

D. C. HEATH & CO.

TORONTO, June 13th, 1888.

DEAR SIRS,—The copies of the Seaside and Wayside series, to which you refer in your letter of the 4th instant, have not yet reached this Department. I shall be glad to look over them on receipt.

Yours truly,

GEO. W. ROSS.

Messrs. D. C. HEATH & Co.
5 Somerset Street,
Boston.

BOSTON, MASS., September 18th, 1888.

The Honorable,
THE MINISTER OF EDUCATION,
Toronto.

SIR,—I send by to-day's mail samples of our "Nature Readers" by T. B. Wright, which have been heartily endorsed by the leading educationalists of this country, and have been very largely adopted by school committees. Should these be found available for your schools, we can arrange to have them published in your country, and thus give employment to your printers and binders and also save the duties.

Very respectfully yours,

M. CHAMBERLAIN,
For D. C. HEATH & CO.

P. S.—Mr. Thompson may remember having met the writer at the Press Club, Toronto, last May.

M. C.

EDUCATION DEPARTMENT,
TORONTO, October 1st, 1888.

Messrs. D. C. HEATH & Co.
5 Somerset Street,
Boston, Mass.

I am directed by the Hon. the Minister of Education to acknowledge the receipt of your letter of the 18th instant, and to state that the subject is under his consideration.

Your obedient servant,

ALEX. MARLING,
Secretary.

TORONTO, December 13th, 1888.

H. M. WILKINSON, Esq.,
Inspector.

DEAR SIR,—We enclose for your inspection one copy Ontario Readers, 1st Primer, new edition, now being issued. We hope you will find it satisfactory.

Yours obediently,

THE COPP, CLARK COMPANY (LIMITED).

EDUCATION DEPARTMENT,
TORONTO, December 20th, 1888.

GENTLEMEN,—Sample copy of Part I., First Reader, received, and on examination the work, on the whole, is fairly good.

The electros are, however, wearing down and do not print so clearly as in former editions. Some of the electros ought to be renewed, for example, those on page 61.

Yours truly,

ALEX. MARLING,
Secretary.

THE COPP, CLARK CO.

TORONTO, January 10th, 1889.

H. M. WILKINSON, Esq.,
Inspector.

DEAR SIR,—We beg to submit herewith one copy of Fourth Reader of a new edition now being issued by us.

We hope it will be found satisfactory.

Yours obediently,

THE COPP, CLARK COMPANY (LIMITED).

TORONTO, February 6th, 1889.

DEAR SIR,—I beg to acknowledge the receipt of sample copy of new edition of Fourth Reader, published by the Copp, Clark Company, and find, upon examination, that the binding is up to the requirements of the contract, but the printing is not as good as in former editions. Some of the pages are evidently the worse for wear,

shewing broken letters and some indistinctness. The color of the ink varies very much throughout the book. The paper is also of various tints. With these exceptions the workmanship is fairly up to the standard laid down in the contract. I notice the name of the firm is not upon the title page, contrary to agreement (see Sec. 8).

I have the honor to be,
Your obedient servant,

G. E. THOMAS,
Assistant Q. P.

Hon. G. W. Ross,
Minister of Education,
Toronto.

Education Department,
Toronto, February 7th, 1889.

Gentlemen,—The sample copy of present edition of your Fourth Reader has been examined and your attention is called to the following :—

1. The binding is up to requirements, but the printing is not as good as in former editions. Some pages shew broken letters and a little indistinctness, and the color of the ink varies throughout the book.

2. The paper is of various tints.

3. Section 8 of Agreement is violated by omitting imprint of firm on title page.

Please explain these discrepancies. I hope it will not be necessary to withdraw this edition from sale.

Yours truly,

ALEX. MARLING,
Secretary.

The Copp, Clark Company,
Toronto.

Toronto, February 9th, 1889.

Alex. Marling, Esq.,
Secretary,
Education Department.

Dear Sir,—In reply to your favor, No. 533 K 492, we would respectfully suggest our meeting the Inspector and examining the Fourth Reader for the purpose of removing any bad letters, etc., as may be required. A few sheets of apparently lighter tint of paper have, by accident, been placed in the book, of which we can give no explanation, as the paper for the edition is one make and made at the same time. The publishers' name, by an oversight, has never appeared on the title page of this book.

We trust the above is satisfactory.

Yours obediently,

THE COPP, CLARK COMPANY (Limited).

TORONTO, 19th May, 1888.

MY DEAR SIR,—Complaints are reaching me respecting the inaccuracies of the answers in the Public School Arithmetic. Are you taking steps to have the necessary corrections made in the new edition, or an errata slip inserted in those already done?

Yours truly,

G. W. ROSS.

SAMUEL G. BEATTY, Esq.,
Canada Pub. Co.,
Toronto.

TORONTO, 28th May, 1888.

SIR,—In reply to your inquiry *re* inaccuracies of answers in Public School Arithmetic, we beg to say that we shall gladly correct any and all mistakes pointed out to us. We have asked teachers while using the book to note any errors in the work, and favor us with a list of them. If you will kindly obtain a list from the parties complaining, we will see that the corrections are made in next edition.

Your obedient servants.

THE CANADA PUBLISHING CO. (LIMITED).

Hon. G. W. ROSS,
Minister of Education.

TORONTO, March 19th, 1888.

Hon. G. W. ROSS,
Minister of Education.

DEAR SIR,—I have no doubt that now sufficient evidence is before you of the difficulty of pursuing an arbitration to secure the open publication of the Public School text-books, thus defeating your intention to secure the best books at the lowest possible prices.

I herewith submit a proposition which, I am satisfied, will more readily and satisfactorily carry into effect your wishes. I will agree to publish a "Drawing Course," consisting of five books, to be sold retail at 5 cents each; a "Public School Grammar" at 15 cents; a "Public School Arithmetic" at 15 cents; and a "Public School Geography" at 50 cents, subject to the following conditions:

The Education Department to nominate three or four of the best men in each subject in Canada. I will arrange with one or other of the experts to do the work of editing. I will agree to have the books equal in size, mechanical execution, and in any other way equal to the present authorized text-books, the literary work to be approved by the Education Department before the publication of the books. I will further agree to have these books, with the exception of the "Geography," ready by the 1st of September, if my proposition is at once accepted. I will further be prepared to deposit the necessary

bonds and security to insure the complete compliance with all the terms and conditions for the publication of authorized text-books. Said books when published to hold the same relation to the authorized list and to the Public School programme, that the books published by the Canada Publishing Company now hold.

You will please observe that the foregoing proposition presents the Education Department with books at about one-half the price of the present authorized text-books, with the guarantee that they shall, in every respect, be equal to those now issued.

I am enabled to make this proposition and to carry it into effect, by not being burdened with the necessary expenses in litigations, arbitrations and royalties to publishers.

I have the honor to be, Sir,
Your obedient servant,

W. J. GAGE.

Toronto, May 23rd, 1888.

My Dear Sir,—I have directed Mr. Marling to notify you of the proposed reduction in the price of the drawing-books; and in order that I might make some progress with the other proposition made to me respecting reduced prices for the arithmetic, grammar, and geography, taking them one at a time, I am willing to enter into an agreement with regard to the arithmetic (Kirkland and Scott now authorized) on the following conditions: (1) that the copyright be surrendered to the Department on the same terms as other copyrights are surrendered; (2) that the price be reduced to fifteen cents as was proposed in regard to the new arithmetic. The propriety of this from a departmental standpoint will readily occur to you: (*a*) It is the policy of the department to limit, as far as public interests require, the number of text-books in each subject; (*b*) to hold the copyrights, in order that the quality, right of publication, etc., may be controlled; (*c*) to make but few changes in order to prevent annoyance to the trade and expense to the consumer. As Kirkland and Scott's Arithmetic is largely in use, its retention on the permanent list will create little or no confusion or expense, compared with what the introduction of a new text-book would produce. Practically then the policy of the Department will not be interfered with.

From a publisher's standpoint it appears to me that if you are willing to go to the expense of preparing a new arithmetic—and nobody understands what that involves better than yourself—and to sell the same for fifteen cents, I see no reason why a book already in the market, used in the majority of our public schools and having an established reputation, should not be produced at the figure which you name for the new book. The reduced price should not go into effect before the first January next, the time fixed for the reduced price in the drawing-books, in order that the trade might not be injuriously affected. Expecting to hear from you at an early day in regard to this matter.

I remain,
Yours truly,

GEO. W. ROSS.

W. J. Gage, Esq.,
Publisher, etc., Toronto.

EDUCATION DEPARTMENT,
TORONTO, May 29th, 1888.

DEAR SIRS,—I am directed by the Minister of Education to inform you that the authorized retail price for the Public School drawing-books, on and after the first January next, will be five cents.

Yours truly,

ALEX. MARLING,
Secretary.

A copy of this letter was sent to: W. J. Gage & Co., The Copp, Clark Co., Canada Publishing Co., Hunter, Rose & Co.

Notice was sent to the following as news: "*Educational Weekly*," "*Books and Notions*," "*Book Publisher*," city.

TORONTO, May 26th, 1888.

Hon. G. W. Ross,
Minister of Education,

DEAR SIR,—We beg to acknowledge the receipt of your favor *re* proposed reduction in price of drawing-books; also your proposition *re* proposed arithmetic. If you refer to a surrender of the copyright of Kirkland and Scott's Arithmetic, all we can say in reply is what we have repeated on former occasions—since the first time that this matter has been mentioned to us—viz., so far as this book is concerned, it is not proposed by us to surrender the copyright. It is, therefore, altogether useless to discuss any plan with reference to its publication.

We are prepared to publish an arithmetic, grammar and geography, under your supervision, by authors approved by you, in the way indicated in our former letter at the price named, viz., fifteen cents and fifty cents respectively, under terms and conditions that may be acceptable to the Department.

Yours faithfully,

W. J. GAGE.

ST. MARY'S P. O., PERTH CO., ONT., August 8th, 1888.

The Hon. G. W. Ross,
Minister of Education,
Toronto.

HONORABLE SIR,—Enclosed I submit a copy of a series of cards for use in public schools, entitled :—

"The Teacher's Aid."—Primary set—Copp, Clark & Co., will be the publishers if the cards are authorized.

"The Primary Set" (enclosed) will be arithmetic and grammar. In this set are twenty-six cards, each card different, so that a class of twenty-six children can be working quietly and honestly for half an hour, leaving the teacher free to take another class with a new rule at the blackboard. With each set will be two sets of correct answers.

If I get authority for the use of these, this first set will be immediately published; and I shall further submit to you other sets for different grades, one side arithmetic, on the reverse, grammar, geography, algebra, or science. (Questions and exercises care fully prepared.)

I may mention that these cards are universally used in England.

Trusting to gain your approval and awaiting your reply.

I am,
Faithfully yours,

HERBERT DRANSFIELD, A.A.S., A.B., F.C.A.
(London, Eng.)

THE TEACHER'S AID.

	Primary set.		Card A.
Add.—(1)	67,241	(2) 22,632	(3) 27,639
	276	62,726	2,687
	27,396	20,179	29,864
	1,000	2,061	2,798
	2,635	2	

	Subtraction.		
(4)	673,272	(5) 620,791	(6) 601,901
	231,271	21,798	91,976

Multiply.		Divide.	
(7)	27,634 × 3	(14)	26,348 ÷ 2
(8)	670,279 × 4	(15)	627,834 ÷ 4
(9)	637,214 × 7	(16)	279,162 ÷ 5
(10)	27,634 × 56	(17)	897,016 ÷ 3
(11)	786,327 × 82	(18)	682,734 ÷ 6
(12)	426,734 × 678	(19)	72,634 ÷ 7
(13)	627,301 × 2,076	(20)	786.201 ÷ 9
		(21)	700,006 ÷ 8

Write 9 times table; write the first sum in words.

Reverse side of card:

Make sentences using these words: boat, farm, father, bat, school, fire, run, play, walk, talk, idle, real, true.

Write out a list of adverbs and prepositions.

Write a letter on :—

(1) some book you have read; (2) woods; (3) farming; (4) the railway; (5) your country; (6) another country.

HERBERT DRANSFIELD,
St. Mary's P. O., Perth Co., Ont.

15th August, 1888.

Dear Sir,—I have just closed the subject of text-books for our Public Schools with the assurance to the public that the question would not be re-opened for several years. I am therefore unable to grant any authority for the publication of the cards to which you refer. No doubt they might prove useful and convenient to the teacher, although I fear they might tend to the promotion of mechanical methods of study. If they are published at all therefore, they must be published as a private venture and without official sanction.

Yours truly,

GEO. W. ROSS.

Herbert Dransfield, Esq.,
St. Mary's.

Woodstock, December 22nd, 1888.

Hon. G. W. Ross,
Minister of Education.

Hon. Sir,—I have been collecting material for several years with a view to publishing an arithmetic for use in High Schools. My experience of nine years in High School work has suggested to me many changes which, I think, would greatly improve the book now in use. I have, however, noticed lately that a "High School Arithmetic to be authorized if found suitable," is mentioned in the list of authorized text-books. Would there be any prospect of another such book being authorized, "if found suitable?" I think I could make so many improvements on any I have seen, that I would like to make the venture.

I remain, Hon. Sir,
Yours very respectfully,

A. D. GRIFFIN,
Mathematical Master,
Collegiate Instiute.

Toronto, December 24th, 1888.

Dear Sir,—I could not authorize a High School arithmetic in addition to the one now under preparation. The fixed policy of the Department is to limit, as much as possible, the number of text-books in each subject, and if the one to be authorized is found suitable, there will be no necessity for another for years to come.

Yours truly,

G. W. ROSS.

A. D. Griffin, Esq.,
Collegiate Institute,
Woodstock.

LIVERPOOL, 4th July, 1888.

To the Hon. G. W. Ross,
Toronto, Ont.

DEAR SIR,—Permit me to beg your kind acceptance of the accompanying copy of our little Atlas of British America, and also to ask you to examine it with a view to its authorization for use in the Public Schools and Colleges of your Province.

I am your obedient servant,

J. FRANCON WILLIAMS.

Received from Geo. Philip & Son.

TORONTO, 24th July, 1888.

DEAR SIR,—I am desired by the Minister of Education to convey to you his thanks for the following, which has been duly received: "Atlas of British America."

Your obedient servant,

ALEX. MARLING,
Secretary.

Messrs. GEORGE PHILIP & SON,
Claxton Buildings, Liverpool, Eng.

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13 CZAR ST., TORONTO, September 15th, 1888.

DEAR SIR,—Some time ago when I presented to you a copy of the "New Illustrated Geography and Atlas," which I had prepared for the use of schools in Canada, seeking its authorization for Ontario, you asked me if I would be willing to allow other publishers to reprint the book under your authority. This I agreed to do under the terms proposed by you, namely, on the payment by these publishers of a reasonable proportion of the original cost and outlay incurred by me in its preparation. You also invited me to go on with the production of a "Junior Geography," which I did to a partial extent, incurring considerable liability in so doing.

Since that time other text-books in geography have been prepared and authorized, and I now respectfully solicit from you the same privilege which you proposed to me, namely, the right to publish the present authorized books on such terms and under such restrictions as you may deem advisable.

This application I make for myself, and not in the interest of any publishing house, and I respectfully ask your favorable consideration of my application for the following reasons: I was aware that the old book, prepared by me over twenty years ago, had become somewhat out of date, and was not up to the style of the requirements of the present time. There was not at the time, as far as I am aware, any idea of preparing a new text-book on geography, and I presumed that my new book would be allowed gradually to supersede the old one, otherwise I should not have incurred the very large expense I did. As you are aware, I disdained any desire of monopoly, but was content to leave the book in your hands, believing that you would only desire to act honorably in the matter, in regard to throwing the right of publication open to others.

As, however, my book was not authorized, I became a very serious loser, having sunk nearly twenty thousand dollars in the production of the maps, illustrations and electrotype plates of the new book. I may further say that, to add to this very heavy loss, I had lost heavily in the preparation of the "Royal Canadian Series of Readers," and while the Canada Publishing Company has reaped some reward from the publication of the new geographies, and also of the new readers, I have had to suffer all the loss, at least my share of the loss on the readers and the whole loss on my geography, and have derived no benefit whatever from either, as the Company, by the course it pursued, barred me from participating in the after profits, and neither directly nor indirectly do I receive any advantage from the publication of the present books, nor, indeed, even in the shape of any dividend do I receive any return for the labor and money I have expended on the books.

I would have made this application to you at an earlier date, but the severe losses I had incurred in the preparation of these books, the failure of the firm of James Campbell & Son, and the action of the Canada Publishing Company, had placed me in such a position that I was practically unable to take advantage of your permission had it been granted. I now make the application, prepared to carry out honorably such conditions as you may impose, and I sincerely crave your careful consideration of my application in view of the serious blow the loss I have sustained has been to me and to my family, and also that the efforts I made and the losses I incurred were the result of my desire to improve the text-books of the Province, and I respectfully submit the reasonableness of my petition, that having incurred so great loss without the slightest return, I should now be allowed to participate reasonably in any advantages that may accrue from the right of publication of the present books.

As I before stated, I make this application directly on my own behalf, and am prepared to agree to such conditions as you may deem necessary.

Relying, therefore, on the reasonable character of my request, and believing that your high sense of justice will induce you to consider my petition favorably.

I have the honor to be,
Sir,
Your obedient servant,

W. C. CAMPBELL.

Hon. G. W. Ross,
Minister of Education,
Toronto.

18th September, 1888.

My Dear Sir,—I expect to enter on several arbitrations in regard to the text-books, and as application has been made for the geography by other publishing houses some time ago, I think the arbitration should go on with the first in preference to subsequent applicants. This, however, under our agreement, will not interfere with your right to publish the books after one arbitration has settled the amount of money to be paid the original publishers. You can learn on application to this office when the matter is disposed of, which I hope will be in a month or two. Herewith find form of agreement.

Yours truly,

GEO. W. ROSS.

W. C. Campbell, Esq.,
13 Czar St., Toronto.

EDUCATION DEPARTMENT,
TORONTO, January 12th, 1889.

GENTLEMEN,—The Minister sends herewith a copy of your last edition of the Public School Geography recently purchased from a bookstore in Toronto, which is a specimen of bad collating. See pp. 21 to 42 omitted and pp. 43 to 68 inserted twice.

It would be well to examine your stock for others. Please send correct copy to replace this one.

Yours truly,

ALEX. MARLING,
Secretary.

The CANADA PUBLISHING COMPANY,
Toronto.

TORONTO, 14th January, 1889.

DEAR SIR,—We desire to hand you by bearer a copy of Public School Geography in lieu of imperfect copy returned.

We exercise the greatest possible care in manufacturing to see that books are made perfect. An oversight such as you have called our attention to will, however, occur occasionally, but every imperfect book finds its way back to the publisher sooner or later, when we gladly substitute perfect copies.

Your obedient servant,

THE CANADA PUBLISHING CO. (LIMITED).

ALEX. MARLING, Esq., M.A.,
Secretary, Education Department,
City.

EDUCATION DEPARTMENT,
TORONTO, January 15th, 1889.

DEAR SIR,—The Minister sends herewith a copy of your Public School Geography which has two copies of map of England in it, and that of Scotland with letterpress of page 103 omitted. Please supply complete copy in place of this, which you will please destroy or have corrected.

Yours truly,

ALEX. MARLING,
Secretary.

CANADA PUBLISHING CO.,
Toronto.

A perfect copy of the geography was received in reply to this request.

TORONTO, 18th June, 1888.

GENTLEMEN,—I am considering the propriety of relieving the Department of the responsibility of preparing annually annotated editions of the authorized literature used in our High Schools, but before taking further action would like to get an assurance from the leading publishers that any annotated text placed upon the market would be sold at a retail price not exceeding 50 cents. A similar letter to this has been sent to the Copp, Clark Co., The Canada Publishing Co., The Rose Publishing Co. On receiving such an assurance as above-mentioned, I shall announce this intention to the public.

Yours truly,

GEO. W. ROSS.

Messrs. WARWICK & SONS,
Toronto

[Private.]

TORONTO, 18th June, 1888.

GENTLEMEN,—I am considering the propriety of relieving the Department of the responsibility of preparing annually annotated editions of the authorized Literature used in our High Schools, but before taking further action would like to get an assurance from the leading publishers that any annotated text-book placed upon the market would be sold at a retail price not exceeding fifty cents. A similar letter to this has been sent to The Copp, Clark Co., The Rose Publishing Co., and Warwick & Sons. On receiving such an assurance as above mentioned, I shall announce this intention to the public.

Yours truly,

GEO. W. ROSS.

THE CANADA PUB. CO.,
Toronto.

[Private.]

TORONTO, 18th June, 1888.

GENTLEMEN,—I am considering the propriety of relieving the Department of the responsibility of preparing annually annotated editions of the authorized Literature used in our High Schools, but before taking further action would like to get an assurance from the leading publishers that any annotated text placed upon the market would be sold at a retail price not exceeding fifty cents. A similar letter to this has been sent to The Copp, Clark Co., The Canada Publishing Co., and Warwick & Sons. On receiving such an assurance as above mentioned, I shall announce this intention to the public.

Yours truly,

GEO. W. ROSS.

THE ROSE PUBLISHING CO.,
Toronto.

TORONTO, June 28th, 1888.

SIR,—In reply to your favor of the 18th inst., would say we consider it doubtful if the Literature you mention can be published at fifty cents.

Yours respectfully,

ROSE PUB. CO.,
D. A. ROSE,
Secretary.

Hon. G. W. Ross,
City.

TORONTO, 18th June, 1888.

GENTLEMEN,—I am considering the propriety of relieving the Department of the responsibility of preparing annually annotated editions of the authorized Literature used in our High Schools, but before taking further action would like to get an assurance from the leading publishers that any annotated text placed upon the market would be sold at a retail price not exceeding fifty cents. A similar letter to this has been sent to The Canada Publishing Co., The Rose Publishing Co., and Warwick & Sons. On receiving such an assurance as above mentioned, I shall announce this intention to the public.

Yours truly,

GEO. W. ROSS.

THE COPP, CLARK CO.,
Toronto.

TORONTO, 19th June, 1888.

Hon. G. W. Ross,
Education Office.

DEAR SIR,—Your favor of the 18th *re* annotated editions of the authorized Literature is received by us. Our price hitherto has been sixty cents, and considering the small sale (last year 2,500, and no competing book), we hardly think it too much. The author or authors have to be paid, whether sale large or small, and fairly well. Still, we would be willing to give that assurance—price not to exceed fifty cents retail. There would be really nothing for the publishers, but we want to publish these books. If you decide to do no further in the publication by the Department, kindly let us know soon as decision is come to, that we may make our arrangements for next year. It always takes some time.

Yours respectfully,

THE COPP, CLARK CO. (LIMITED).
H. J. CLARK.

CINCINNATI, Aug. 27th, 1888.

Hon. G. W. Ross, M.P.P.,
Toronto, Ont., Canada.

DEAR SIR,—At the suggestion of Prof. Murdoch, we take pleasure in sending you by mail to-day a copy of Murdoch's Plea to Spoken Language, which book please accept

with the compliments of the author and publishers. We trust you will be interested in looking the book through, and that it will commend itself to your approval. We ask your attention to notices of the Analytic Elocution, by the same author, sent you by accompanying mail.

Very truly,

VAN ANTWERP, BRAGG & CO.

TORONTO, March 27th, 1888.

The Honorable
THE MINISTER OF EDUCATION,
Education Department,
Toronto.

SIR,—*Re* Public School Drawing Books, in accordance with Departmental Regulations, we hereby apply for permission to publish the series of Public School Drawing Books, when the time arrives at which the exclusive right to publish same terminates.

We have the honor to be,
Sir,
Your obedient servants,

WARWICK & SONS.

TORONTO, 24th April, 1888.

DEAR SIR,—I have received a distinct offer from W. J. Gage & Co., for the publication, at five cents per copy retail, of a new Drawing Course, equal in point of mechanical execution to the authorized edition published by your Company.

I have not decided to accept this offer, but it is made with such strong assurances as to suggest, at all events, that the price of the Drawing Books now in use could be reduced and still allow a fair profit to the publishers.

Before proceeding further with Mr. Gage's offer, or even availing myself of the arbitration provided by paragraph eleven of the Agreement made by your Company with the Department, would you let me know, at your earliest convenience, what reduction, if any, you are willing to make in the price at which the authorized Drawing Books are now published, having regard to the quality of paper and workmanship set forth in your Agreement with the Department.

Yours truly,

GEO. W. ROSS.

S. G. BEATTY, Esq.,
Manager Can. Pub. Co. (Ld.),
Toronto.

NOTE.—See page 16 for letter from Gage, referred to in this communication.

TORONTO, April 25th, 1888.

SIR,—In reply to yours of yesterday addressed to Mr. Beatty, he is, at present, out of the city and will not return before the end of the week, when your letter will receive his prompt attention.

Your obedient servants,

THE CANADA PUBLISHING CO., (LIMITED),
Per W. B.

Hon. G. W. Ross,
Minister of Education.
Toronto.

TORONTO, May 23rd, 1888.

MY DEAR SIR,—I have notified Mr. Gage of the proposed reduction of the drawing-book to five cents; and have also notified the other publishers, and the trade through the "Bookseller" and "Books and Notions."

Yours truly,

G. W. ROSS.

SAMUEL G. BEATTY, Esq.,
Manager, Canada Publishing Co.,
Toronto.

TORONTO, May 30th, 1888.

SIR,—We have this morning received a notice from your Department stating that the authorized price of the drawing-boks will be five cents on and after January first.

Is it not premature to make such an announcement in a general way?

I merely gave you the privilege of acquainting Mr. Gage of our intention to reduce the books at that date; but, as explained to you, we cannot do so, if the suit now pending proceeds, until after it is finally settled by the courts and we know just where we stand, as the proposed reduction would sacrifice half of our award.

Gage seems determined to force on the suit, and, in that case, it is not likely to be finally settled for two or three years.

Your obedient servant,

S. G. BEATTY,

For the CANADA PUBLISHING CO., (LIMITED.)

Hon. G. W. Ross,
Minister of Education.

Toronto, June 18th, 1888.

My Dear Sir,—I fully understood that you agreed to the reduction in the price of the drawing-books to five cents on and after the first January next, entirely irrespective of Gage's action in the pending suit; otherwise I would not have made any announcement of a reduction to the public. Now that the announcement has been made, I do not see how the Department can repudiate it, particularly as I have Mr. Gage's offer for the production of another series of drawing-books at that price. I leave on Tuesday for a short trip to the United States, and would be glad to talk the matter over with you when I return the first week in July.

Yours truly,

G. W. ROSS.

Samuel G. Beatty, Esq.,
Manager, Canada Publishing Co.,
Toronto.

October 10th, 1888.

My Dear Sir,—I am about giving instructions to Mr. Paterson to go on with an arbitration in favor of Warwicks' in regard to some of the books not in litigation. I would like also to proceed with an arbitration with regard to the prices of all, or nearly all, the Public School text-books except the readers. I quite understand you to agree, however, that the drawing-books, on and after first January next, would be sold at five cents retail; and I am disposed to act upon that understanding, as it avoids trouble and expense of arbitration. Am I to assume that you will stand by that agreement? An early reply will much oblige.

Yours truly,

GEO. W. ROSS.

S. G. Beatty, Esq.,
Manager, Canada Publishing Co.
Toronto.

Toronto, October 24th, 1888.

Dear Sir,—I had your favor of the 10th instant handed to me on my return after a couple of weeks absence.

I called to advise with Mr. Nesbitt, as to how this would affect the Gage suit, but he was attending the session of the Supreme Court, Ottawa. I will see him as soon as he returns.

I think it better, however, to await the issue of the suit fixed for the 8th of November.

Your obedient servant,

S. G. BEATTY,
For CANADA PUBLISHING CO. (Limited.)

Hon. G. W. Ross,
Minister of Education,
City.

Toronto, November 13th, 1888.

Alex. Marling, Esq., M.A.,
Secretary, Education Department,
Toronto.

Dear Sir,—In a letter of this date to Mr. Ross, we draw attention to an omission in last year's Education Report; (and which we endeavored to have corrected, but were too late in calling attention to the same) viz.: In the table of studies under Second Book, First Division, insert Kindergarten and Primary Drawing Course. The Canadian drawing course began in the Third Division; ours began in First Part, First Book, and ends First Division, Second Book. You thereby have a connected series of drawing lessons running through the entire course of studies. Your kind attention to same will confer a favor.

Yours very truly,

SELBY & CO.

Toronto, November 13th, 1888.

Hon. G. W. Ross, LL.D.
Minister of Education,
Toronto.

Dear Sir,—We beg to call your attention to the omission in the table of studies, viz., the Kindergarten and Primary Drawing Course omitted in the first division of the Second Book. Attention was called to this last year, but too late for correction.

You will be pleased to learn that this course has been adopted for use in the schools of Prince Edward Island. We have had under consideration for some time the advisability of dividing the series into four—this is the national division--and selling each part at five cents per copy, bringing them in line with the Canadian Drawing Course. There is a desire for extra pages for free design and draughting simple plans. This has been somewhat overcome in the Toronto schools by the introduction of the Kindergarten practice-book; and in schools where there are drawing-masters such a book will be found useful. But to obviate the necessity for such a book, especially in classes where the Kindergarten Drawing Course is taught, we propose to add three (3) extra pages to each book. The books which our contract with your Department calls for have twenty-four pages each—in the whole series forty-eight pages. The books, we propose to make and sell at five cents each, will contain sixteen pages each or sixty-four pages in the whole series. This would increase the cost of production considerably, and it could only be done by your making their use compulsory. Should you entertain the idea, we will prepare sample books for your inspection.

With this we send you a copy of the book mentioned above as "the Kindergarten Drawing Practice-book" and used in the junior classes in the Toronto schools. Mr. Reading would like to have liberty to use such a book for free design and drawing simple plans to a scale in all the classes. The necessity for such a course will be seen when, as a prominent builder told the writer, that ninety per cent. of mechanics could not work from drawings, that the work had to be specially laid out for each man. Now, if such be the case, is there not a call for such teaching? Such a course has been indicated by Fröbel, but has been to a great extent thrown aside by his disciples. The following appears in Goldammer, which drawing, page 37 "inducing him (Fröbel) to give an altogether unjustifiable prominence, to be explained only by his personal task, to the drawing of plans." Such a course would be in line with Fröbel's teaching, and this would ultimately lead to the getting up of a book specially with simple designs—working draw-

ings of such articles or utensils as are familiar to the pupils, and with perhaps, as is indicated in hints to teacher on the practice-book, a simple plan of a house. All these the pupil would require either to enlarge or contract according to scale. Such teaching with a practice-book is better done from the blackboard and dictation; but to meet the want, where there is no one who could give such dictation and blackboard exercises, such a book as indicated would be necessary. You will see that we are not formulating anything new, but only endeavoring to draw nearer to some of the principles inculcated by Fröbel; and we think that, the nearer we can get to them as a whole, the higher will be our educational standard. We would draw your attention to a recent translation of Fröbel's "Education of Man," published by the Appletons. If you have not read this work, we would be pleased to submit a copy for your inspection. We think you would recommend it to be studied by inspectors and teachers.

The following is a recapitulation for easy reference: The insertion in table of studies under Second Book, First Division, Kindergarten and Primary Drawing Course. The dividing of the Kindergarten and Primary Drawing Course into four parts to sell at five cents each, instead of two parts which now sell at ten cents each—making the course a third larger—thereby giving extra drawing space for free design, plans, etc.

The Kindergarten Drawing Practice-book—Liberty to use same in all classes on the lines indicated.

The need of a drawing-book for general use in schools of simple plans, working drawings, etc.—Fröbel's Education of Man.

Yours very truly,

SELBY & CO.

EDUCATION DEPARTMENT,
TORONTO, 16th November, 1888.

Messrs. SELBY & Co.,
32½ Church Street,
Toronto.

I am directed by the Hon. the Minister of Education to acknowledge the receipt of your letter of the 13th instant, and to state that the subject is under his consideration.

Your obedient servant,

ALEX. MARLING,
Secretary.

TORONTO, 20th November, 1888.

GENTLEMEN,—I do not see my way to making any changes in the Agreement already entered into respecting the authorization of the Kindergarten Series of Drawing Books. They have been in use only a year or so, and it would be well to ascertain more fully what alterations, if any, would be of most value to our Public Schools.

Yours truly,

GEO. W. ROSS.

SELBY & Co.,
32½ Church St.,
Toronto.

Ingersoll, April 10, 1888.

Hon. G. W. Ross.

Dear Sir,—I take the liberty of requesting your opinion concerning the position of "Superintendent of Temperance Instruction" for each county, appointed by the W. C. T. U., to see that teachers do teach the children from the text book on Temperance and the effects of Alcohol.

They have seen fit to request me to take the position for the County of Oxford. In thinking over the matter, among other things it occurs to me, How will the teachers that are careless or thoughtless on this subject receive the appointment? Will they consider it an intrusion?

I suppose, with your experience, you have found that teachers in general are very sensitive of any outsider assuming any power whatever, and I admit that, without your sanction of the appointment, they might justly think that this espionage on this subject is assuming power that has not been given us, and feeling that way could make it very unpleasant.

In all things of this kind I believe in causing as little friction as possible to all parties, to broach the subject in a pleasant and agreeable manner, yet would feel diffident and not like to undertake the work without your approval.

Hopeful of a favorable answer,

I remain,
Yours respectfully,

HARRIET J. FAWKES.
Ingersoll, Ont.

Toronto, 14th April, 1888.

Dear Madam,—I cannot authorize you to act, in any sense, as an officer of the Department in connection with the subject of Temperance Text Books in our Public Schools. Of course the teachers are at liberty to receive any visitor, and to answer any questions they choose in regard to this or any other school matter. It is quite possible that a visit from a representative of the W. C. T. U. would promote the study of Temperance. It should be remembered, however, that the responsibility in this matter mainly rests upon the trustees who are primarily liable for carrying out the regulations. To impress your views upon them by correspondence or by a personal interview would, it appears to me, be the best way of carrying out your very laudable design.

Yours truly,
G. W. ROSS.

Miss Harriet J. Fawkes,
Ingersoll.

Education Department,
Toronto, November 13th, 1888.

Dear Sir,—I send herewith application for registration of the authorized text-book for Public Schools, called "Public School Temperance," with requisite fee and two copies of the book.

Yours truly,
ALEX. MARLING,
Secretary.

The Minister of Agriculture,
Copyright Branch.
Ottawa.

DEPARTMENT OF AGRICULTURE,
(Copyright and Trade Mark Branch),
OTTAWA, Canada, November 19th, 1888.

SIR,—I beg to forward you the herewith enclosed certificate of registration of Hon. G. W. Ross' copyright No. 4539.

I have the honor to be,
Sir,
Your obedient servant,

J. B. JACKSON,
For Deputy of the Minister of Agriculture.

ALEX. MARLING, Esq.,
Toronto.

LAMBETH, Ont., November 5th, 1888.

Hon. G. W. Ross,
Toronto, Ont.

DEAR SIR,—Would you please let me know whether the text-book in Agriculture is to be used next year in our Common Schools? I have understood that it is optional with the section, whether it shall be used or not. If so we (the E. M. Farmers' Institute) wish to take steps to have it introduced into as many of our schools as possible at once. That is in East Middlesex. Please answer these questions by return of mail; and also send "text-book." Send bill with it, if any.

Yours respectfully,

J. W. BARTLETT
Secretary, E. M. F. I.

[Personal.]

TORONTO, November 6th, 1888.

MY DEAR SIR,—The new text-book in Agriculture will not be ready before March. Its use is not compulsory in our Public Schools, although it will be encouraged very heartily by the Department. It is thought better to allow public opinion to regulate matters of this kind. If you drop me a card when the book is advertised, I will send you a copy.

Yours truly,

GEO. W. ROSS.

J. W. BARTLETT, Esq.,
Lambeth.

Toronto, 23rd November, 1888.

My Dear Mr. Mills,—As the new text-book on Agriculture will probably be ready on the 1st February, it is desirable that the illustrations should be settled soon, so that the engraver may not delay the publication.

If you would fix a time at which you could meet Mr. Bryant and myself, perhaps we could assist in determining the nature and extent of the illustrations.

Yours truly,

GEO. W. ROSS.

Prof. James Mills,
Agricultural College, Guelph.

Agricultural College,
Guelph, December 6th, 1888.

Dear Sir,—I hope you will pardon the delay in answering your note of the 23rd of November. The work involved in correspondence and arranging programmes for twelve Farmers' Institutes with six different deputations in various parts of the Province, and the excitement and interruptions consequent upon the recent fire investigation, etc., have so monopolized my time that I have not had a moment to think of anything else.

I may state that after Prof. Shaw read his paper on "Agricultural Education" before the Teachers' Convention last August, I decided to associate him with myself in the preparation of the book, and since I have done so he finds that it is much easier to preach than to practise, especially under the conditions of work and interruption which prevail in this institution. I think we can do the work satisfactorily, and as soon as the teachers will be prepared for it, but it may be impossible after all our efforts and earnest work to have it all ready at the date agreed upon. I am now commencing my annual report, of which I have not written a single line.

Professor Shaw and I are comparing notes and will write you fully in a few days as to the whole matter.

Very truly yours,

JAS. MILLS.

Toronto, 3rd April, 1888.

Hon. G. W. Ross,
Minister of Education.

Dear Sir,—We beg to intimate that the writer, having personally arranged with Messrs. McMillan for a reduction of their royalty on "Todhunter's Euclid," we shall make the price 75 cents instead of 90 cents as heretofore, from and after proximo.

We trust that this will be satisfactory.

Your obedient servants,

THE COPP, CLARK COMPANY (Limited).

H. J. CLARK

TORONTO, 6th April, 1888.

MY DEAR SIR,—I am very glad that you have been able to get such a handsome reduction on Todhunter's Euclid. I shall make the announcement to the public in a few days.

Yours truly,

GEO. W. ROSS.

H. J. CLARK, Esq.,
The Copp, Clark Co., Toronto.

TORONTO, March 16th, 1888.

Hon. G. W. Ross,
Minister of Education.

DEAR SIR,—We have pleasure in sending herewith, for your approval and authorization, two sample copies of new edition of High School Botany.

We have the honor to be,
Sir,
Your obedient servants,

W. J. GAGE & CO.

EDUCATION DEPARTMENT,
TORONTO, March 29th, 1888.

GENTLEMEN,—The Minister of Education directs me to say in reply to your request for approval of the revised edition of Spotton's High School Botany, that owing to the bad printing of the latter part of the book he cannot give his official sanction to this edition, except it may be on certain conditions to which it will be necessary for you to give your written consent before he can give instructions for the preparation of the indenture of agreement and transfer of copyright.

The conditions will be :—

That the sale of this edition be limited to the extent of the number of bound and unbound copies of the book now in hand, or, at the utmost, to the demands of present calendar year, and that the publishers shall furnish a statement of such stock now in hand, and a written promise to evade in no way the plain meaning of this condition.

That the latter or old part or all defective portions thereof shall be re-set and new plates procured for the next or 1889 edition, and that all copies of the book published, issued or sold from the premises of the publishers, or in any way, directly or indirectly, after 1st January, 1889, shall exhibit first class work and good clear work throughout. That the publishers shall transfer the copyright of the book to the Department at the time of signing the indenture of agreement.

Yours truly,

ALEX. MARLING,
Secretary.

W. J. GAGE & Co.

Toronto, April 3rd, 1888.

Alex. Marling, Esq., M.A.,
Secretary Education Department,
Toronto.

Sir,—We have your favor *re* authorization of High School Botany. Since the receipt of your letter I have had an interview with the author, and he has consented to re-write the second part, making some additions that he deems necessary and bringing the book up to present date. He will shortly begin to furnish us the manuscript, and we will comply with the request of the Minister of Education and re-set the latter part of this book, thus bringing it all up to the necessary standard of perfection that the Minister desires.

Yours faithfully,

W. J. GAGE & CO.

Education Department,
Toronto, April 12th, 1888.

Gentlemen,—In connection with your letter of 3rd inst. *re* revised edition of High School Botany. I send herewith, for signatures, the following agreement forms in regard to the present edition of that book :—

1. Indenture of agreement in duplicate.

2. Transfer of copyright indenture in triplicate (the third copy being for filing in Ottawa).

3. Bond for your Company and two other sureties.

Please complete these agreements as soon as possible, and return with the registration certificate of copyright from Ottawa and a sample copy of the "Botany" signed by your firm and marked "Sample copy referred to in the indenture of agreement, dated April———1888."

Yours truly,

ALEX. MARLING,
Secretary.

Messrs. W. J. Gage & Co.,
Toronto.

Toronto, April 28th, 1888.

Mr. Wilkinson,
Education Department,

Dear Sir,—I am pre p aring the new edition with some changes which the author wants to insert in the seco nd part of the High School Botany. As soon as this is completed I will make out t he copyright papers and complete the bond.

I am also having this part set up new, in keeping with the request of the Minister of Education.

Yours faithfully,

W. J. GAGE & CO.

EDUCATION DEPARTMENT,
TORONTO, May 3rd, 1888.

GENTLEMEN,—The Minister instructs me to say that he desires the agreement and other papers left at your office, signed without delay, in regard to present edition of High School Botany, and not wait for the revised edition, as suggested in your note to Mr. Wilkinson.

Yours truly,

ALEX. MARLING,
Secretary.

Messrs. W. J. GAGE & Co.,
Toronto.

EDUCATION DEPARTMENT,
TORONTO, 25th May, 1888.

DEAR SIRS,—I am directed by the Minister of Education to say that he has made repeated applications for the copyright of the High School Botany, and so far unsuccessfully. In your letter of April 28th, you state that you are revising the second part of this work, and will surrender the copyright as soon as such revision is completed. The Minister directs me to say that the proposed revision need not delay the copyright, inasmuch as he has no objection to such revision, and, under the regulations, could authorize changes from time to time in new editions of the book while the Department holds the copyright. It is desirable that this matter should be closed at once.

Please return papers duly signed.

Yours truly,

A. MARLING,
Secretary.

Messrs. W. J. GAGE & Co.,
Toronto.

TORONTO, May 29th, 1888.

Hon. G. W. Ross,
Minister of Education.

DEAR SIR,—I have your favor *re* "High School Botany." As already explained to you in interview, we delayed completion of this owing to the condition imposed in one of your former letters, asking us to withhold selling any of the present edition after the 1st of January, 1889.

On your kindly consenting to allow us to exhaust the present stock of this book we will prepare the papers at the earliest date.

We have accepted your consent given in last interview as satisfactory, and have therefore the preparation of the agreement in hand.

Yours faithfully,

W. J. GAGE & CO.

Toronto, June 2nd, 1888.

Hon. G. W. Ross,
Minister of Education.

Dear Sir,—I beg leave to ask your kind attention to the following points in agreement *re* High School Botany submitted for signature.

On page 2, paragraph 5, it is stated that, "At option of the party of the second part the book shall be sewed with thread in a satisfactory manner, if the wire-binding shall be found to be defective and unsatisfactory." To bring about such a change in the binding of the book would mean a change in the machinery used for that purpose. We have now all the appliances for the wire stitching, and look upon it as the most approved form of binding. All of the other Public School books published by ourselves, as well as several other firms, are stitched in this way. We therefore think it is only reasonable that this clause shall be omitted.

On page 4 of agreement, as paragraph 19 now reads, that on giving notice, the agreement for the authorization and publication of said book may be discontinued. We have been compelled already to set up and make Part I. of the book anew; we are now doing same with part II. It would, therefore, be a great hardship if within two years the book might be struck off the list. As the book is being prepared under the direction of the Minister we feel that it is only fair that the five years' clause should remain.

We would ask your attention further to the omission of paragraph following 22, which has been inserted in agreement of other High School Text-books as follows: "And the said publisher for himself, his successors and assigns, covenants and agrees that when the Minister of Education secures copyright of such other text-books authorized for High Schools as are printed and published in Canada, or when the Minister withdraws the authorization from such text-books aforesaid, the copyright of which has not been surrendered on demand, then the said publishers shall, if requested in writing, transfer, convey or assign to the said Minister of Education the copyright of the said books."

Yours faithfully,

W. J. GAGE.

Toronto, 7th June, 1888.

Dear Sir,—I am quite willing to authorize the present edition of the High School Botany until the 1st January, 1889, and hope that now all obstacles to the transfer of the copyright are removed.

Yours truly,

GEO. W. ROSS.

Messrs. W. J. Gage & Co.,
Toronto.

Education Department,
Toronto, June 9th, 1888.

Dear Sirs,—In reply to yours of the 2nd instant, I beg to state that paragraph 3 of the indenture has been agreed to by all the publishers, and no alteration can be made

in that in any individual case. That paragraph must therefore stand. Paragraph 19 may stand as in the printed copy, namely, five years instead of two, as altered in the margin. I shall also agree to the insertion of paragraph 23 as per enclosed copy. I have added paragraph 24, which explains itself.

Yours truly,

GEO. W. ROSS.

Messrs. W. J. Gage & Co.,
Publishers, Toronto.

Education Department,
Toronto, July 4th, 1888.

Gentlemen,—Referring to his letter of the 9th ult., the Minister of Education desires the indenture and transfer of copyright of the High School Botany executed and returned without further delay.

Yours truly,

A. MARLING,
Secretary

W. J. Gage & Co.,
Publishers, Toronto.

Toronto, July 6th, 1888.

Alex. Marling, Esq., M.A.,
Secretary Education Department,
Toronto.

Dear Sir,—I will have pleasure in completing bonds, if, in paragraph 3, the words "At the option of the party of the second part the book shall be sewn with thread in a satisfactory manner, if the wire binding shall be found defective and unsatisfactory" be omitted.

This does not appear in any of the other agreements which I have completed. The wire binding has already been approved of by the Minister of Education and we have the necessary machinery for binding the books in this way. To adopt any other plan would mean the procuring of new machines to sew by thread.

We trust that, in view of the thorough testing that the wire binding has had and the general satisfaction it has given, paragraph 3 may be allowed to remain as in former bonds.

Yours faithfully,

W. J. GAGE.

Education Department,
Toronto, July 11th, 1888.

Gentlemen,—The option of allowing the Minister to call for thread sewing, if the wire stitching shall prove unsatisfactory, has been agreed to in indentures signed by the

publishers of other High School books, and the Minister cannot make any exception in the case of the High School "Botany."

Indentures are returned herewith.

Yours truly,

A. MARLING,
Secretary.

W. J. GAGE & Co.,
Publishers, Toronto.

EDUCATION DEPARTMENT,
TORONTO, October 12th, 1888.

GENTLEMEN,—The Minister of Education directs me to inform you that, unless the agreement papers in reference to the High School Botany are signed at once, he will take steps immediately to secure another work for authorization in this subject.

Yours truly,

A. MARLING.
Secretary.

W. J. GAGE & Co.,
Publishers, Toronto.

TORONTO, October 17th, 1888.

ALEX. MARLING, Esq., M.A.,
Secretary Education Department,
Toronto.

DEAR SIR,—Your favor received. Mr. Gage is at present out of town. Immediately on his return your letter will be brought to his attention.

Yours faithfully,

W. J. GAGE CO.

EDUCATION DEPARTMENT,
TORONTO, November 14th, 1888.

DEAR SIR,—I send herewith for registration indenture (in triplicate) of transfer of copyright of the High School text-book called High School Botany by W. J. Gage & Co. to the Hon. Minister of Education. Please return two copies together with the original certificate of copyright entry, as each of the contracting parties desires a copy. The fee of $1 is enclosed.

Yours truly,

ALEX. MARLING,
Secretary.

MINISTER OF AGRICULTURE,
Copyright Branch

Re Copyright, No. 4191.

Department of Agriculture,
(Copyright and Trade Mark Branch,)
Ottawa, Canada, November 21st, 1888.

Sir,—I herewith return you duplicates of assignment in above matter with certificate of registration duly affixed thereon.

I remain,
Sir,
Your obedient servant,

J. B. JACKSON,
Registrar.

Alex. Marling, Esq.,
Secretary Education Department,
Toronto.

Toronto, 24th April, 1888.

Dear Professor Wright,—Enquiries are being made as to whether the new work on Zoology will be ready by the 1st of August, as promised last year. I hope, as the good faith of the Department is pledged to this date, nothing will prevent the timely execution of your portion of the task. How is the work progressing?

Yours truly,

GEO. W. ROSS.

Professor R. R. Wright, M.A.,
University College,
Toronto.

School of Practical Science,
May 6th.

My Dear Sir,—I have just returned from a short visit to New York and find your letter of the 24th ult. awaiting me.

I propose devoting all my time now to the "Zoology." It is not so far advanced as I had hoped; but I had not foreseen the demands upon my time which the preparation for the University Biological Department has involved.

There is no reason why the book should not be ready for next school session.

Apologizing for the delay in answering your letter.

I remain,
Yours faithfully,

R. RAMSAY WRIGHT.

Toronto, 9th May, 1888.

My Dear Prof. Wright,—Your intimation that the projected work on Zoology would be ready before the opening of our schools in the autumn is very gratifying and satisfactory.

Yours truly,

GEO. W. ROSS.

Prof. R. Ramsay Wright, M.A.,
Toronto.

The Toronto General Trust Co.,
Wellington St. East, City,
September 13th, 1888.

My Dear Mr. Ross,—At my various visits to the Niagara Falls Park I have been very much struck with the exceptionally favorable conditions in that vicinity, and more particularly in the Park, for the free growth of flowering plants of all kinds. The superintendent of the Park, Mr. Jas. Wilson, who is much interested in the matter, informs me that during the past summer several eminent botanists have visited the grounds and have expressed great wonder at the richness of the flora and of the rare opportunities afforded for enlarging and developing this indigenous flower garden, which is described by some of these gentlemen as a "Botanist's Paradise." I understand that a catalogue has recently been prepared by a gentleman in Buffalo, in which some nine hundred and nine species are described as growing in the vicinity of the Falls, 758 of which are native and 151 foreign. Mr. Wilson informs me that Prof. Panton, of the Ontario Agricultural College, visited the Park and suggested the desirability of having a distinctive work published under the auspices of the Government in the interest of education and science, which would enumerate the various trees, plants, etc., found in the vicinity, and give illustrations of the more interesting and rare forms. I think you will agree with me that a work of this kind would be most valuable as a text-book, and would at the same time add vastly to the reputation of our Provincial Park.

I am not quite sure whether this branch of scientific and educational work comes within your department, or that of your colleague, the Minister of Agriculture; but if I am wrong in addressing you, I would be glad if you would bring it under the notice of Mr. Drury.

Another thing would, I think, help very much in making known the marvellous scenery of the Park and its surroundings, and that is, that a map together with some descriptive matter be inserted in the next edition of any school geography that you may issue. Our superintendent would prepare a map exhibiting all the points of interest down to the Whirlpool, and give a great deal of information relative to the recession of the Falls, etc., which I should think would be of great interest to pupils. I venture to address you on this subject knowing how progressive you are in respect to the educational interests of the Province.

Believe me,
Faithfully yours,

J. W. LANGMUIR.

Hon. G. W. Ross, M.P.P., LL.D.,
Minister of Education, Toronto.

September 17th, 1888.

My Dear Mr. Langmuir,—We have already authorized a text-book in botany, in which I have no doubt all the plants referred to by Mr. Panton are accurately described and their location indicated, so that so far as your first suggestion is concerned I think nothing further can be done. Your second suggestion is one that possibly I may be able to adopt. Our school geography is already stereotyped and has gone through one or two editions and consequently alterations such as may be necessary cannot be made without some difficulty. However, the matter will not escape my notice.

Yours truly,

GEO. W. ROSS.

Jas. W. Langmuir, Esq.,
Toronto.

Toronto, March 16th, 1888.

My Dear Sir,—I have your letter of yesterday correcting one of a previous date respecting the publication of the "Hygiene." I have decided to put the School Hygiene on the market at fifty cents. I am quite sure it can be published for that money, from Mr. Thomas' estimate, as well as from investigations I have made myself. I would be very much pleased to continue the publication with you at the price mentioned.

Yours truly,

GEO. W. ROSS.

The Rev. W. Briggs, D.D.,
Meth. Book Room, Toronto.

Toronto, March 17th, 1888.

Hon. G. W. Ross,
Education Department.

Dear Sir,—In reply to your letter of yesterday, wherein you state that you have decided to put "Hygiene" at 50c., we bow to your decision and will do the best we can to have the book as well made, and as widely sold, as our present nearly sold-out edition.

Your giving us an order that will secure us the plates, when needed, will much oblige

Yours truly,

WM. BRIGGS.

Education Department,
Toronto, March 19th, 1888.

My Dear Sir,—You may have the plates for a new edition of the School Hygiene on application.

I am glad that you agree to the price named and hope you will find it a profitable investment.

Yours truly,

GEO. W. ROSS.

The Rev. W. Briggs, D.D.,
Meth. Book Room, Toronto.

TORONTO, September 19th, 1888.

EDUCATION DEPARTMENT.

Please give bearer plates for "Manual of Hygiene," as authorized by accompanying etter.

Yours truly,

WM. BRIGGS.

EDUCATION DEPATMENT,
TORONTO, October 1st, 1888.

DEAR SIR,—The Minister desires to mention that the plates for the "Hygiene" are sent you for the purpose of issuing a new edition, with the understanding that the price is reduced to 50 cents.

Yours truly,

A. MARLING,
Secretary.

Rev. W. BRIGGS, D.D.,
Methodist Book Room,
78 and 80 King Street East, Toronto

TORONTO, October 2nd, 1888.

Mr. A. MARLING,
Education Department.

DEAR SIR,—We are in receipt of your communication of the 1st instant, referring to new edition of "Hygiene."

We will issue the book with the understanding that the retail price will be reduced to fifty cents.

Yours truly,

WM. BRIGGS.

Hon. G. W. Ross,
Minister of Education,
Toronto, Ontario.

DEAR SIR,—I wish to draw your attention to a matter that deeply interests the students-in-training in our Model Schools.

The Manual of Hygiene is out of print, and no copies are to be obtained, though one-third of the session is nearly over. And the publishers tell us they cannot promise us another edition under five or six weeks.

Nearly half of my model class is unprovided with copies.

It certainly is unfair to the class. Under the circumstances will you allow other texts to be used? or what course would you recommend?

I remain,
Yours respectfully,

D. H. LENT,
Principal Model School.

Bradford, October 3rd, 1888.

EDUCATION DEPARTMENT,
TORONTO, October 12th, 1888.

DEAR SIR,—The Minister cannot sanction the use of any unauthorized book in Hygiene, but the new edition will be out in a few days.

Yours truly,

ALEX. MARLING,
Secretary.

D. H. LENT, Esq.,,
Principal, Model School, Bradford.

EDUCATION DEPARTMENT,
TORONTO, October 12th, 1888.

DEAR SIR,—There is urgent inquiry for the new edition of "Hygiene." When can you have copies ready?

Yours truly,

ALEX. MARLING,
Secretary.

The Rev. W. BRIGGS,
Methodist Book Room.

TORONTO, October 13th 1888.

Mr. ALEX. MARLING,
Education Department.

DEAR SIR,—We are in receipt of your favor of the 12th instant, referring to "Hygiene." The book is in the press, and will be pushed forward as quickly as possible. We therefore hope to be able to supply the books in a few days.

I am,
Yours truly,

WM. BRIGGS.

BOSTON, April 20th, 1888.

DEAR SIR,—The first edition of three thousand copies of Joynes-Meissner German Grammar being nearly exhausted within less than a year, a new edition will be issued in July. Responding to the cordial reception which the book has met with, and confident of its continued and increasing usefulness, the publishers desire to make the next edition as perfect and as permanent as possible. They, therefore, beg that you will kindly communicate any errors you may have detected, or any suggestions you would like to make for the improvement of the book, assuring you that all such suggestions shall receive thankful consideration.

Respectfully yours,

D. C HEATH & CO.

TORONTO, May 28th, 1888.

Hon. G. W. Ross,
Minister of Education.

DEAR SIR,—We send with this a copy of the High School German Grammar which is just ready. We would congratulate you, Sir, on the addition of such a fine book to your list. With one or two minor mechanical blemishes almost inevitable in the production of first copies, it is, yet, a book of which any country might be proud. As for ourselves, we fear that we shall have to be content with gratification at its appearance, for we cannot hope for any pecuniary results, the preliminary cost, before a copy was produced, being over $2,000, and the most sanguine expectation of sale does not exceed a thousand copies a year.

We are not judges of the matter, but from the reputation of the authors, we are satisfied that the book will be highly prized by the profession throughout the province.

Your obedient servants,

THE COPP, CLARK COMPANY (LIMITED),
H. J. CLARK.

TORONTO, June 7th, 1888.

DEAR SIR,—I beg to acknowledge the receipt of a copy of the new High School German Grammar. I must say that typographically and mechanically it appears to be equal to any book which you have yet published and certainly reflects great credit on your firm. I might add that I am very much gratified at the many proofs you have given of your desire to raise the mechanical standard of your publications. You have done more than any other firm I know of to break down the tendency in this country to produce inferior school books.

Yours truly,

GEO. W. ROSS.

The COPP, CLARK CO.,
Publishers, Toronto.

[Private.]

TORONTO, October 22nd 1888.

GENTLEMEN,—I am informed that the High School German Grammar is held by you at $1, although the agreement, which you have signed with this Department, allowed you only 75c. Kindly explain this discrepancy.

Yours truly,

GEO. W. ROSS.

The COPP, CLARK CO.,
Toronto.

[Private.]

Toronto, October 25th, 1888.

Hon. G. W. Ross,
Minister of Education.

Dear Sir,—Referring to our conversation this morning about VanderSmissen's German Grammar, permit us to lay before you the accompanying figures.

The net cost of the preparation of the book, so far as we have recorded. was $2,260.42—this before a copy was printed, the lowest at which we can produce the book. Net cost is $17 per 100 or $170 per 1,000; for that 1,000 we get ostensibly $750; but royalty to author, allowance to the trade and cash discount reduce it to

	$576 88	
Cost.....	170 00	
	$406 88	profit per 1,000 per year,
	5	
	$2,034 40	in 5 years,

and as we should reckon interest on our outlay it will be fully 6 years before we recoup our first outlay—without a dollar of profit. We trust in this light you will not feel that the price $1 is too high. We assure you that we have not had the first word of complaint. We think that as an evidence of our disposition to help forward your views as to prices, we have secured the reduction of more, we think, than any other house, and have squeezed our profit to the utmost to make it low. As an instance, we do not net more than $1 on "Green;" it costs us more than 92c.

Yours, very respectfully,

THE COPP, CLARK CO. (Limited),
H. J. Clark.

Toronto, November 21st, 1888.

Gentlemen,—While the suit with the Canada Publishing Co. was pending, I refrained from replying to your letter of the 25th ultimo, as your firm appeared to be concerned therein. The agreement which you entered into with this Department respecting the High School German Grammar fixes the price of that book at 75c. But, notwithstanding this without any authority from the Department, the said Grammar is advertised at $1 per copy. As this is a variation of the agreement, without any authority whatever, I have no option but to insist on a strict compliance with the indenture entered into by your firm, and can only say that, should you fail to do so, I must exercise the right conferred on me by the indenture. An early reply will much oblige.

Yours truly,

GEO. W. ROSS.

The Copp, Clark Co. (Limited),
Toronto.

Note.—Agreement has since been complied with.

230 Robert Street,
Toronto, June 15th, 1888.

To the Hon. G. W. Ross,
Minister of Education.

Dear Sir,—At the last meeting of the Modern Language Association, the following resolution was adopted : That in the opinion of this Association it is of great importance, in the selection of text-books for use in the schools of the province, that the Department of Education should attach due importance to the knowledge and experience of the teaching profession ; that in the selection of Modern Language text-books heretofore the Department has not fully availed itself of that assistance in selecting text-books, which might have been obtained by more direct communication with the teachers engaged throughout the Province in this branch of instruction ; and that the Minister of Education be urged to advise some means by which, in reference to this important matter, the opinion of teachers may be known to the Department and their advice made available.

Yours respectfully,

J. SQUAIR,

Secretary, Modern Language Association of Ontario.

Toronto, June 18th, 1888.

My Dear Sir,—The resolution of the Modern Language Association respecting the preparation for text-books in Modern Languages is one deserving of great weight. You are doubtless aware that all the text-books recently prepared under the authority of the Department were entrusted to practical teachers with instructions to receive suggestions from those whose professional standing qualified them to speak with authority. The Copp, Clark Co. have just issued a German Grammar prepared by two Modern Language lecturers in the University of Toronto, both, I think, members of the Modern Language Association. So far then as your own special department is concerned, I have already anticipated your resolution. As I have no intention of authorizing any other text-books in Modern Languages for several years to come, no immediate action in the direction of your resolution need be taken.

Allow me to add that I am pleased with the deep interest you take in this important department of study.

Yours truly,

GEO. W. ROSS.

J. Squair, Esq., M.A.,
230 Robert Street, Toronto.

St. John, N.B., April 26th, 1888.

Hon. George Ross,
Minister of Education,
Toronto.

Dear Sir,—On the 5th instant we had the pleasure of sending you a set of McMillan's writing books, the receipt of which you kindly acknowledged. We have been hoping for a favorable report from you regarding them, and in view of the fact that

they have been adopted by the Board for the North-west Territories, we venture to hope you will give them a further consideration, and trust you may find it to the interest of your Department to adopt them for use in your schools.

Yours sincerely,

J. & A. McMILLAN.
Jas. McM.

Toronto, 24th April 1888.

Dear Sirs,—I have not decided to authorize copy books for use in the Public Schools of Ontario. I have offers from publishers in this city of a very satisfactory character, and, if anything is done at all in this line, I would be disposed to adopt books prepared on the spot. Notwithstanding, I am free to admit your books possess considerable merit.

Yours truly,

GEO. W. ROSS.

Messrs. J. & A. McMillan,
Publishers, etc.,
St. John, N.B.

St. John, N.B., April 28th, 1888.

Hon. G. W. Ross,
Minister of Education,
Toronto.

Dear Sir,—We have the honor to acknowledge your valued favor of the 24th inst., concerning our series of copy books.

Permit us to trouble you once more. We are now preparing a special cover for the North-West Territories, where the series will go into use at an early date. We claim for our series sufficient merit to induce us to ask your further kind consideration. Should you, on further examination, feel disposed to use them, we will make a distinctive cover for Ontario.

Your most obedient servants,

J. & A. McMILLAN.

Toronto, May 12th, 1888.

Gentlemen,—Can you favor the Minister of Education with another set of the copy books mentioned in your letter of the 28th ultimo? Please address them to the undersigned.

Yours truly,

ALEX. MARLING,
Secretary.

Messrs. J. & A. McMillan,
St. John, N.B.

St. John, N.B., May 16th, 1888.

Alex. Marling, Esq.,
Secretary Education Department,
Toronto, Ont.

Dear Sir,—In response to your favor No. 1657 H² $\frac{3613}{3290}$, we send by this mail a set of our writing books, which we trust will arrive safely. In view of their increasing popularity and circulation, we beg that you will give them a thorough examination.

Very respectfully yours,

J. & A. McMILLAN.
Jas. McM.

Toronto, August 6th, 1888.

Hon. G. W. Ross,
Toronto.

Dear Sir,—I have a set of copy books that I would be pleased to draw your attention to when it is convenient to you. Kindly let me know when you are at liberty for a few minutes and I will call at your office.

Yours,

W. BRYCE.

Toronto, August 13th, 1888.

My Dear Sir,—You can see me any day this week with the copy books or in regard to any other matter in which you wish an interview.

Yours truly,

GEO. W. ROSS.

W. Bryce, Esq.,
Publisher, etc.,
Toronto.

St. John, N.B., September 1st, 1888.

Hon. G. W. Ross,
Minister of Education,
Toronto, Ont.

Dear Sir,—Referring to your official acknowledgment of sample set of "McMillan's New Brunswick Writing Books," and your intention to examine them. Recently we had a visit from Mr. W. Bryce, of your city. In talking with him he kindly promised to personally see you in the matter, and we are favored with a letter from him in which he says that he has done so.

The only favor we ask that you will give the series a full and careful examination. If you do so, we have every confidence that you will find the system will commend itself to you. We claim that it is based upon a successfully carried out *common sense*, and is calculated to produce the best results.

Begging your kind attention to the matter,

We are, dear sir,
Your obedient servants,

J. & A. McMILLAN.

September 8th, 1888.

GENTLEMEN,—Mr. Bryce, of this city, laid your books before me a few weeks ago. I had already considered them somewhat minutely, as I had received samples direct from your publishing house. From the judgment already formed in regard to them, it is not at all likely that they will be authorized for the schools in the Province of Ontario. I need not enter into a discussion as to my reasons for this course.

Yours truly,

GEO. W. ROSS.

J. & A. McMILLAN,
Publishers, etc.,
St. John, N.B.

TORONTO, March 15th, 1888.

DEAR SIRS,—I regret very much on public grounds that you have withdrawn from the arbitration proposed in the matter of a few of the public school text books, while the Canada Publishing Company is taking a course of which I entirely disapprove, and which I had no reason to suspect. Still I am quite satisfied that the arbitration is feasible, and need not be very tedious nor expensive. My sole object in providing for such an arbitration is to distribute, as far as possible, the privileges of publication. I had no expectation that any distribution of the copyright would materially affect the price as far as the consumer was concerned. I still hope you may see your way clear to go on notwithstanding the obstacles thrown in the way.

Yours truly,

GEO. W. ROSS.

W. J. GAGE & Co.,
Publishers, etc.,
Toronto.

Toronto, March 15th, 1888.

The Honorable
The Minister of Education,
Education Department,
Toronto.

Re High School Music Reader.

Sir,—In accordance with Departmental Regulations we hereby apply for permission to publish the High School Music Reader, when the time arrives at which the exclusive right to publish the same terminates.

We have the honor to be, Sir,
Your obedient servants,

WARWICK & SONS.

Similar applications, under the same date, were made for publishing the following:

Public School Geography, Public School Arithmetic, High School Composition, High School Grammar, Public School Music Reader, High School Geography, Public School Grammar and Elements of Composition, High School German Grammar.

Education Department,
Toronto, 26th October, 1888.

My Dear Sir,—You may proceed to make arrangements for Arbitration in regard to transfer of the right to publish the following books to Warwick & Sons:—High School Grammar, High School Composition, High School Georgraphy, and Public School Arithmetic. One condition of the agreement should be that the royalty must follow the publication of the book. Of course, the Department may be required to guarantee that the report of the arbitrators shall not be acted upon, until the publisher gives a bond by which the author will be protected in his royalty. Our arbitrator will be J. R. Miller.

Yours truly,

GEO. W. ROSS.

John A. Paterson, Esq.,
Toronto.

Toronto, 18th January, 1889.

Hon. G. W. Ross,
Minister of Education.

Dear Sir,—Since seeing you this morning I have talked the matter over with the members of our Company and they are quite willing to accept your suggestion as to arbitration on price. We shall be thoroughly satisfied with the gentleman whose name you mentioned, Mr. Richard Brown, of Brown Bros., his name would be a guarantee to the trade that the matter had been done honestly and conscientiously. Without knowing

exactly at this moment whom we would suggest, as it would be for the publishers together to decide, we would say that we would take a man of business above suspicion. As the Chancellor would probably appoint a legal man, the constitution of the Board would be then, as you thought was desirable.

We cannot, of course, answer for the Canada Pub. Co., or any other of the publishers, but we don't think that Mr. Beatty would object to it. We think that, like ourselves, he would go as far as possible to meet the views of the Minister of Education.

Your obedient servant,

H. J. CLARK,
For Copp, Clark Pub. Co., Limited.

Toronto, Feb. 1st, 1889.

Gentlemen,—Although our preliminary discussions were based upon the idea of arbitrating only in regard to such books as were held by you under a contract, if agreeable, I would like to arbitrate in regard to all books held by you, as stated in the note on the schedule herewith. If not prepared, proceed upon the original basis. Of course the Readers are excepted.

Yours truly,

GEO. W. ROSS.

The Copp, Clark Co.,
Front Street, City.

[Personal.]

Toronto, 21st January, 1889.

My Dear Sir,—Under paragraph eleven of the agreement, I have the right of arbitration as to the price of text-books. Instead, however, of having an arbitration with each publisher separately, I am arranging with all the publishers for a joint arbitration to save time and expense, and under that arbitration I expect to include all the text-books recently authorized by my Department. I would like to have you join in the agreement so far as the books published by you are concerned. The arbitrator of the publishers would no doubt be appointed at a meeting called for the purpose by some one of themselves. Several of them have already intimated their acceptance of this proposition.

Yours truly,

GEO. W. ROSS.

Rev. Wm. Briggs, D.D.,
Methodist Book Room, City.

Toronto, January 23rd, 1889.

Hon. G. W. Ross,
Minister of Education,
Education Department,
Toronto.

Dear Sir,—In reply to your letter of 21st inst., I have no objection whatever to the arbitration stated by you, as to the price of text-books, therefore, I join in the agreement so far as the books published by this house are concerned.

Of course I take the arbitration to mean a power to advance the price of text-books that may be considered too low, as well as to lessen the price of those that may be considered too high.

Yours truly,

WM. BRIGGS.

TORONTO, February 1st, 1889.

GENTLEMEN,—Although our preliminary discussions were based upon the idea of arbitrating only in regard to such books as were held by you under a contract, if agreeable, I would like to arbitrate in regard to all books held by you, as stated in the note on the schedule herewith. If not prepared for this, proceed on the original basis. Of course the Readers are excepted.

Yours truly,

GEO. W. ROSS.

The METHODIST BOOK-PRINTING AND PUBLISHING HOUSE,
King Street, Toronto.

[Personal.]

TORONTO, 21st January, 1889.

MY DEAR SIR,—Under paragraph eleven of the agreement, I have the right of arbitration as to the price of text-books. Instead, however, of having an arbitration with each publisher separately, I am arranging with all the publishers for a joint arbitration to save time and expense, and under that arbitration I expect to include all the text-books recently authorized by my Department. I would like to have you join in the agreement so far as the books published by you are concerned. The arbitrator of the publishers would no doubt be appointed at a meeting called for the purpose by some one of themselves. Several of them have already intimated their acceptance of this proposition.

Yours truly,

GEO. W. ROSS.

Messrs. WARWICK & SONS,
City.

TORONTO, January 25th, 1889.

Hon. G. W. Ross, LL.D.,
Minister of Education,
Education Department,
City.

DEAR SIR,—In reply to yours of 21st inst., *re* a joint arbitration for the publishers of text-books, we desire to express our willingness to accept your proposition, if the other publishers are agreeable to the same.

We are,
Yours truly,

WARWICK & SONS.

TORONTO, February 1st, 1889.

GENTLEMEN,—Although our preliminary discussions were based upon the idea of arbitrating only in regard to such books as were held by you under a contract, if agreeable, I would like to arbitrate in regard to all books held by you, as stated in the note on the schedule herewith. If not prepared for this, proceed on the original basis. Of course the Readers are excepted.

Yours truly,

GEO. W. ROSS.

Messrs. WARWICK & SONS,
Front Street, City.

[Personal.]

TORONTO, January 21st, 1889.

DEAR SIR,—Under paragraph eleven of the agreement I have the right of arbitration as to the price of text books. Instead, however, of having an arbitration with each publisher separately, I am arranging with all the publishers for a joint arbitration to save time and expense, and under that arbitration I expect to include all the text books recently authorized by my Department. I would like to have you join in the agreement, as far as the books published by you are concerned. The arbitrator of the publishers would, no doubt, be appointed at a meeting called for the purpose by some one of themselves. Several of them have already intimated their acceptance of this proposition.

Yours truly,

GEO. W. ROSS,

W. J. GAGE, Co.,
Publisher, etc.

TORONTO, January 30th, 1889.

Hon. G. W. Ross,
Minister of Education.

DEAR SIR,—We have your favor of the 21st with reference to arbitration *re* school books. Will you kindly advise me what books you would desire to arbitrate upon? As we have no Public School books, and as the Readers are not subject to arbitration at present, we presume that you must refer to the Botany and Bookkeeping. Will you kindly advise us if we are correct in this matter? Please intimate who will be required to pay costs of arbitration.

Yours faithfully,

W. J. GAGE & CO.

[Personal.]

TORONTO, January 31st, 1889.

MY DEAR SIRS,—My original intention in negotiating with the publishers for a general arbitration was merely to dispose of the books, for which publishers had entered into a written contract with the Department, and it is upon this line that I have discussed the matter with the other publishers. In framing the schedule, which I enclose, I have drawn it to cover all, except the italicized list, but there is no understanding that the arbitration should be that wide. It may suffice for the present that we should limit it to the original understanding. In your case the Botany and the Bookkeeping are the only two books that occur to me. I have no written agreement yet with respect to the Physics, but intend to have one as soon as I can give the matter my attention. Perhaps you might just as well include it and dispose of it now, as I have no doubt you will sign the usual agreement with regard to it. I may say that this arbitration is entered into for the purpose of getting the opinion of three fair-minded men as to a fair price for the authorized books, in order that the public may be satisfied that justice is done in the matter. I would like very much if you would join in the arbitration.

Your truly,

GEO. W. ROSS.

W. J. GAGE & Co.,
Toronto.

TORONTO, October 9th, 1888.

MY DEAR DR. YOUNG,—Mr. Browning handed me the pamphlet herewith in order that it might be considered by me with a view to its use being sanctioned in the Public Schools. His proposal is to publish a chart containing the course on pages 20 to 33 inclusive. He represents that such a chart would be useful. What do you think of his proposal? Is there any necessity for adding this Drill to the Public and High School course?

Yours truly,

GEO. W. ROSS.

Prof. G. P. YOUNG, LL.D.,
121 Bloor Street east, City.

MEMO. IN REGARD TO PROPOSED ELOCUTIONARY CHART.

The Chairman of the Central Committee has submitted Mr. Browning's proposal to two of his colleagues. The Chairman and the members of the Committee consulted are of the opinion that there is no necessity for a chart such as it is proposed to make. Teachers, for whom alone that such a chart would be useful, can already find in works on Elocution, which they are recommended to study, all that seems valuable on the subject.

GEORGE PAXTON YOUNG,
Chairman, Central Committee.

Toronto, 13th October, 1888.

Toronto, October 15th, 1888.

My Dear Sir,—I send herewith copy of a report of Prof. Young, Chairman of the Central Committee, in *re* Chart on "Elocutionary Drill." It is quite evident it would not be wise, with such an opinion from the Committee of my Department, to sanction such a chart as you propose. Can you send two dozen copies of the book, with account, that I may send it out to some of our most prominent Inspectors?

Yours truly,

GEO. W. ROSS.

T. B. Browning, Esq., M.A.,
Barrister, 15 Toronto Street.

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15 Toronto Street,
Toronto, October 16th, 1888.

To the Hon. G. W. Ross, LL.D.,
Minister of Education.

Dear Sir,—I have the honor to acknowledge the receipt of your favor of yesterday with enclosure, and to thank you for the order with which you have favored me, and to which Mr. McAinsh, of Toronto Street, will at once attend. I am sorry of the view which the Central Committee entertain, and beg leave to enclose you copy of a note which I received, through Mr. McAinsh, at the same time as your favor. Could not an arrangement be made to introduce the Chart at least at the Normal School, where the teachers are themselves taught, and where, I understand, no elocutionary training is given at present? I feel sure that, if given anything like a fair trial, the simplicity of the Chart, its thoroughness, its practical character and scientific accuracy will of themselves ensure its adoption throughout Ontario as a teaching method. If you look upon the idea favorably, I would have much pleasure in calling upon you in reference to it, at such time as you may be at leisure.

I have the honor to be,
Your obedient servant,

T. B. BROWNING.

Toronto, October 15th, 1888.

To D. T. McAinsh, Esq.,
Toronto.

I have carefully examined the "Chart of Elocutionary Drill" prepared by Mr. T. B. Browning, M.A., and think it is an excellent work, well adapted to confirm the voice and methods of breathing, and to impart a correct pronunciation of the various vowel sounds and their combinations.

The definitions and explanations are clear, definite and to the point, and will aid both pupil and teacher in acquiring a good elocutionary method. It is worthy of a place in every school and college as a text-book.

ANNA K. HOWARD, LL.B.,
Teacher of elocution and author of the "Canadian Elocutionist."

[Personal.]

Toronto, October 19th, 1888.

My Dear Sir,—I would have no objections to obtain for the use of the Normal School two or three copies of the Elocutionary Chart you are preparing. I have no doubt it will be useful to the teacher in cultivating distinct articulation and correct enunciation. Kindly send them to the Department as soon as they are ready.

Yours truly,

GEO. W. ROSS.

T. B. Browning, Esq., M.A.,
15 Toronto Street, Toronto.

REPORT OF INSPECTORS WILKINSON AND THOMAS.

The undersigned hereby report to the Honorable the Minister of Education in reference to a general inspection of the stock of authorized text-books at the place of business or manufacture of the following publishers:—

Methodist Book and Publishing House.

Visited July 19th, 1888.

Robertson's Algebra.—We found the stock to consist of 321 copies bound, and 600 copies sheets. Four editions respectively of 1,000, 2,000, 2,500 and 1,500 copies, or a total of 7,000 copies have been printed to date. There is no immediate necessity of another edition. The printing and binding were examined and found satisfactory. A sample of the 4th edition is submitted herewith.

McGuirl's Drawing.—The stock was found to consist of 220 bound copies, and 500 copies in sheets. Two editions of 1,000 each have been printed. The work and material were found satisfactory. We submit sample of second edition for your inspection.

Manual of Hygiene.—There were only 67 copies in stock. Several jobbers, however, had lately purchased a quantity. For fear of causing a loss to these firms and to small dealers who have a quantity on their shelves, the publishers did not wish to print the cheaper edition for some time from date of visit, but they will do so when the booksellers' supply is exhausted. The publishers think the drop in price to 50 cents too great, not only for fair remuneration when the discount allowed is considered, but also they think it is an unfair comparison for books of a smaller size, and that it reflects greatly upon the seemingly (in a comparative sense) high price of the edition at $1.00. The printing and binding of the books were found to be satisfactory.

Hopkins' Outline Study of Man.—Only one edition of this book has as yet been printed by this firm. There were 110 bound copies and 2,310 in sheet form on hand. An order for 200 more copies to be bound were given in our presence. Manufacturer's work satisfactory.

Scripture Readings.—One edition only of the "Revised" edition has been printed, viz., 2,140 copies. They had on the shelves at the time of our inspection 45 copies bound. An order was given for 300 more copies to be bound immediately. The printing and binding were found satisfactory.

THE COPP, CLARK COMPANY (LIMITED).

Inspected Books and Work in Printing Office and Store July 24th and October 4th, 1888.

Public School History, England.—The third edition of 10,000 copies is now in hand. Very few of this edition had been sold at the time of visit. Printing and binding were examined and found satisfactory.

Schmitz's Greece and Rome.—Examined stock and found a few plates a little battered. There is one edition of 1,200 on hand. The plates are to be looked over, and where they are defective new ones are to be procured, according to our instructions for next edition. Printing and binding otherwise are satisfactory. A sample of this edition is sent herewith.

First Reader, Ontario Series, Part I.—Stock consisted of about 10,500, 22½ gross being bound. The sheets had been previously examined on the press by the Assistant Q. P. Printing and binding satisfactory.

First Reader, Part II.—About 9,000 copies on hand. The sheets had been previously examined as they came from the press. Printing and binding appear satisfactory.

Second Reader.—About 11,800 copies on hand, 58 dozen being bound. There are more in course of binding. A sample is herewith submitted. Work satisfactory.

Third Reader.—7,300 copies on hand. Sample of work in process is submitted herewith. Work satisfactory.

Fourth Reader.—2,250 copies on hand. Work satisfactory.

NOTE.—The twilled cloth is now to be used in finishing the Readers. The printing is not so good as it was at first, owing to so many editions having been worked off the plates.

High School German Reader.—118 dozen on hand. Work good.

Todhunter's Euclid.—Of the complete edition there were 42 dozen on hand. The manufacture is satisfactory.

Todhunter's Euclid, Parts I. and II.—Twenty-seven dozen on hand. Work satisfactory.

Todhunter's Euclid, Parts I., II. and III.—Found the books satisfactory. There were 96 dozen copies in stock.

MacLean's Book-keeping.—Eighty-nine dozen on hand. Work satisfactory.

Green's Short History of the English People.—The book is printed from imported plates. The work is satisfactory. There were 33 dozen on hand.

Smith & McMurchy's Advanced Arithmetic.—The demand for this book is decreasing. There were only 123 dozen on hand. Under the circumstances the work is satisfactory.

Smith & McMurchy's Elementary Arithmetic.—Sixty-nine dozen on hand. Satisfactory for the book in its "italicised" state.

High School Word Book.—Books found satisfactory. 300 dozen on hand.

Knight's High School Chemistry.—One edition of 1,000 copies has been printed. About 500 are still on hand. Twelve pages are to be added to the book. The manufacture is satisfactory.

High School German Grammar.—The edition consists of 1,000 copies. The cost was $2,000. The plates are from the United States, and the books are printed here. Work satisfactory.

Cassell's French.—Edition of 1,000 imported, with Copp & Clark's imprint, and bound.

Harkness' First Greek Book.—This book is printed from American plates. The work is satisfactory.

Harkness' Latin Grammar.—Fifty dozen on hand. The plates are from New York. The Methodist Publishing House print and bind for Copp, Clark Company. The work is satisfactory.

W. J. Gage & Co.

Inspected Stock, etc., 1888.

More fault is to be found with the work of this firm than with that of the other publishers. Samples of the books were taken and subjected to a more extended inspection, with the following result. In the case of the italicised books the work may be considered as satisfactory under the circumstances.

Readers, Ontario.—There was a large supply of the sheets on hand, and some of them were in process of binding.

Second Reader.—About 2,000 in stock ready for binding. The printing was up to the ordinary standard. Binding, see 32 p. (should be 16), bad folding, margin irregular. Paper up to the requirement.

Third Reader.—Five thousand ready for binding. The printing was fairly up to standard. Binding, fairly good ; irregularity of margin noticeable. Paper, up to requirement.

Fourth Reader.—Five thousand ready for binding. Printing up to standard. Binding all right except irregularity of margin. Paper up to requirement.

First Reader, Part I.—Printing up to standard. Binding all right. Paper, great variety in color, unsatisfactory.

Elementary Statics (Kirkland's).—Paper, binding and printing were fairly good.

Elementary Statics (Hamblin Smith's).—Printing fairly good. Binding : the sections contain 32 pp., with three wire stitches ; not strong. Paper, coarse and of bad color.

High School Physics.—Paper, printing and binding were all up to the average.

Hamblin Smith's Trigonometry.—Printing : plates were broken and the printing bad. Binding : 32 pages in a section and fastened with three wire stitches, not strong. Paper fairly good.

Kirkland & Scott's Arithmetic (H. Smith's).—Printing : plates old and broken, printing bad. Binding : the sections contain 16 pages each, fastened with three wire stitches. Paper fairly good.

Browning's Educational Theories.—Printing fairly good. Binding : the sections contain 32 pages each, and are fastened with three wire stitches ; not strong. The paper is coarse and common.

Lewis' "How to Read."—Printing fairly good. The binding is the same as described above—sections of 32 pages with three wire stitches. Paper coarse, No. 3.

Outlines of English Grammar (Mason).—Printing fairly good ; plate of title page broken ; a new plate is to be procured. Binding : sections of 32 pages ; (3) wire-stitched as above. Paper good.

Kirkland and Scott's Elementary Arithmetic.—Printing : Fairly good ; some of the plates are broken. Binding : strong enough for size of book. Paper : good enough.

Swinton's Language Lessons.—Printing : the plates are old and the printing bad. Binding : strong enough for size of book. Paper : fairly good.

Hamblin Smith's Hydrostatics.—Printing : The plates are getting old and some of them are broken. Binding : strong enough for size of book. Paper : coarse, No. 3.

Beatty and Clare's Standard Book-keeping and Precis Writing.—Only one edition of this book, numbering 2,000, has been printed ; a portion was in course of binding at

the time of visit; this is a revised and enlarged edition; a sample of the book in process of binding is submitted. Printing: satisfactory. Binding: sections of 32 pp. not strong enough. Paper: good.

Hamblin Smith's Elementary Algebra.—Printing: fairly good. Binding: sections made up of 32 pages. Paper: fairly good.

Hunter, Rose & Co.

Visited the Establishment in September, 1888.

They were binding 5,000 copies of 5th Reader and new literature: they will send samples. As far as the work in process was seen, it was satisfactory.

McKay's Euclid.—Only one edition has been printed; a quantity was in course of binding.

DeFivas' Grammar.—They were binding a quantity of this book; sample is submitted herewith; satisfactory.

McElroy's English Prose.—As yet only one edition has been printed.

Goodwin's Greek Grammar.—Only one edition imported as yet. This firm was out of some books imported by them, but they will have more shortly.

Canada Publishing Company.

The Stock of Books was Inspected in September, 1888.

Public School Arithmetic.—20,000 copies of the first edition have been sold. The second edition is in hand; work satisfactory.

Jeffers' History of Canada.—An edition of 1,000 is in hand; the plates are a little old; the work is fair.

Public School Geography.—The first edition of 9,000 is all sold: the firm is printing a second edition of the same number; the sheets were examined; a sample is submitted herewith.

Third Readers.—This firm, under their plan of dividing the work, was doing, at this time, $\frac{1}{3}$ of 5,000 for Gage & Co., and of 7,000 for the Copp, Clark Company.

High School Grammar.—Only one edition has been published; samples have been reported on already.

Public School Grammar.—Second edition is printing; work satisfactory; a sample is submitted herewith.

High School Geography.—Only one edition of 5,000 has been printed.

Drawing Books, Canadian D. Course.—These were examined last year, there have been none printed since; they were merely binding some.

McLellan's Algebra.—Second edition of 3000 copies on the press; examined sheets, samples of which are submitted; the work is satisfactory.

Ayres' Orthoëpist and Verbalist.—The firm was not printing any during 1888.

Williams' Composition.—The second edition is one authorized; 2,000 copies were struck off in January, 1888, and none since.

Second and Fourth Readers.—This firm did part of 2nd and 4th Readers for Copp, Clark Company, and part of the 4th Reader for themselves; they were not bound at the time of visit; samples are to be sent.

Campbell's Geography.—They are doing none of this book now.

Swinton's Language Lessons.—Doing none now.

Public and High School Music Books.—The firm is printing none of these books this year.

Morris' Grammar, Primer.—They have done none for two years.

Colenso's Algebra.—None have been printed for over one year.

Curtius' Greek.—None printed for two years.

Initia Græca.—None for two years.

Buë's French.—None have been printed since October, 1887.

Huxley's Primer.—None printed for 1½ years.

Stewart's Science Primer.—None for a long time.

Miller's Chemistry.—None have been printed for a long time.

Abbott's How to Parse.—None printed for four or five years.

WARWICK & SONS.

Visited this firm October 4th, 1888.

Houghton's Physical Culture.—The stock on October 1st, was 9⅔ dozen; the second edition is on order; they will send samples; Mr. Thomas will examine.

Baldwin's School Management.—40 7-12 doz. of second edition on hand; the work is satisfactory; the stock is sufficient for some time.

Smith and McMurchy's Elementary Arithmetic.—This book is out of print and the firm will publish no more.

Companion to Readers—High School Literature.—The edition of 2,000 is just done; it is still somewhat in demand in schools where it was formerly used; for an *italicised* book the work is satisfactory.

Connor's Etymology.—This is a dead book.

Smith and McMurchy's Advance Arithmetic.—The firm will print no more of this book.

Buë's French.—Out of this.

GRIP PRINTING COMPANY.

Visited October 4th, 1888.

Temperance Primer.—There was quite a stock of this book in the cellar—equal to sample first submitted.

High School Drawing Course.—A large stock was seen in the basement and similar in all respects to sample books previously examined and reported on.

H. M. WILKINSON.

G. E. THOMAS,
Assistant Queen's Printer.

October 9th, 1888.

RETURN

To an Order of the House of the Eleventh day of March, instant, for a Return shewing the number and location of Public Schools in Ontario in which any language other than English is used in the work of teaching, either wholly or in part; a list of text-books in any language other than English used in such schools: the total number of scholars attending each of such schools: the number of scholars in each of such schools using text books in any language other than English: the number of teachers in such schools who cannot use the English language in teaching.

By Command,

J. M. GIBSON,
Secretary.

Provincial Secretary's Office,
Toronto, , 1890.

RETURN shewing the number and location of Public Schools in Ontario in which any language other than English is used in the work of teaching, either wholly or in part; a list of text-books in any language other than English used in such schools; the total number of scholars attending each of such schools; the number of scholars in each of such schools using text-books in any language other than English; the number of teachers in such schools who cannot use the English language in teaching.

COUNTY.	Name of Inspector.	Number and Location of Public School.	Is any language, other than English, used in the work of teaching, either wholly or in part?	List of text-books in any language other than English used in such school:	Total number of scholars attending such school.	Number of scholars in such schools using text-books in any language other than English.	Number of teachers in such schools who cannot use the English language in teaching.
Bruce, E.	W. S. Clendening	1, Carrick & Culross	German	Catholic Sch. Readers	261	261	None.
		2, "	"	"	101	101	"
		1, Carrick	"	"	66	66	"
		4, "	"	"	116	116	"
Carleton	A. Smirle	15, Gloucester	Yes! French is the language chiefly used in this school. English is also taught.	A. N. Montpetit Readers with Grammar and Exercises corresponding by F. P. B. Commercial Arithmetic by Ch. Brothers. Object lessons by G. B. Cloutier, N.S., Quebec. History of Canada by Garneau. History of England by Drioux. Dictionary by Larousse.	92	69	Miss Rabeau teaches English fairly well: but her assistant cannot.
		26, Gloucester	"	"	63	63	None. Miss Scheffer can use the English language fairly well.
N. Essex	Theodule Girardot	1, Sandwich East	In part French	Series of French Readers of Montpetit. French Grammar by F. P. B. Nouvine cour de langue Anglaise.	67	26, Junior Class, 1st Book.	None.
		2, "	"	"	48	20 "	"
		3, "	"	"	62	32 "	"
		4, "	"	"	128	66 "	"
		5, "	"	"	65	24 "	"
		9, "	"	"	38	18 "	"

		1, Sandwich West..	"	"	60	30	"	"
		2, " ..	"	"	45	20	"	"
		3, " ..	"	"	69	30	"	"
		1, " ..	"	"	50	20	"	"
		6, " ..	"	"	66	30	"	"
		8, " ..	"	"	50	20	"	"
		9, " ..	"	"	32	8	"	"
		10, " ..	"	"	75	20	"	"
		3, Rochester	"	"	91	60	"	"
		6, "	"	"	75	19	"	"
		1, Maidstone	"	"	86	40	"	"
		3, "	"	"	91	11	"	"
		1, Tilbury West. .	"	"	118	43	"	"
		2, " .	"	"	75	28	"	"
		3, " ..	"	"	60	15	"	"
		6, " ..	"	"	71	25	"	"
		7, " ..	"	"	65	15	"	"
		10, " ..	"	"	70	40	"	"
		11, " ..	"	"	72	10	"	"
		2, Sandwich Town.	"	"	138	48	"	"
		Belle River Village.	"	"	139	57	"	"
S. Essex	D. A. Maxwell	2 & 5, Anderdon	French in part.....	Montpetit Series.....	85	85	But all read English.	None.
		6, " ...	"	"	91	60	"	"
		8, "	"	"	133	100	"	"
Glengarry.....	D. McDiarmid	12, Lochiel	French in part.....	French Readers by M. A. N. Montpetit.	63		27	None.
Kent, West	W. M. Nichols	3, Dover	French, part of the time.	Montpetit readers and the syllabaire.	108		83	None.
		4, "	" "	"	62		43	"
		7, "	" small "	"	45		6	"
		9, "	" most "	"	74		64	"
		13, "	" half "	* "	48		36	"
Prescott and Russell	W. J. Summerby...	2, Alfred	Yes; French in part....	Nouvelle Serie de Livres de Lecture Gradnée par A. N. Montpetit. Nouveau Cours de Langue Anglaise selon la Methode d'Ollendorff; Grammaire par Robert; Composition par Robert; Arithmetique Commercials des Frères; Geographies des Frères; Historie d'Angleterre par Toussaint. Traité de Lecture à Haute Voix par Lagace.	58		53	"

* Besides the books above named Lectures Instructives et amusants (manuscript) and La Grammaire Francaise par F. P. B. are used in some of the schools.

RETURN shewing the number and location of Public Schools in Ontario in which any language other than English is used, etc.—*Continued.*

COUNTY.	Name of Inspector.	Number and Location of Public School.	Is any language, other than English, used in the work of teaching, either wholly or in part?	List of text-books in any language other than English used in such school:	Total number of scholars attending such school.	Number of scholars in such schools using text-books in any language other than English.	Number of teachers in such schools who cannot use the English language in teaching.
Prescott and Russell (*Continued.*)	W. J. Summerby ..	4, Alfred	Yes; French in part....	Nouvelle Serie de Livres de Lecture Graduée par A. N. Montpetit. Nouveau Cours de Langue Anglaise selon la Methode d'Ollendorff; Grammaire par Robert; Composition par Robert; Arithmetique Commercials des Frères; Geographies des Frères; Historie d'Angleterre par Toussaint; Traité de Lecture à Haute Voix par Lagace.	47	39	None.
		6, "	"	"	45	45	"
		8, "	"	"	100	100	"
		9, "	"	"	48	48	"
		10, "	"	"	120	120	"
		11, "	"	"	44	44	"
		12, "	"	"	62	62	"
		13, "	"	"	29	29	"
		14, "	"	"	11	41	"
		15, "	"	"	47	47	"
		6 and 7, Caledonia .	"	"	57	57	"
		10, Caledonia.....	"	"	65	65	"
		12, "	"	"	67	67	"
		6, E. Hawkesbury .	"	"	59	59	"
		14, " ..	"	"	46	23	"
		15, " ..	"	"	32	30	"
		17, " ..	"	"	90	90	"
		18, " ..	"	"	52	52	"
		19, " ..	"	"	47	44	"
		Hawkesbury Village	"	"	457	276	"
		L'Orignal P.S	"	"	135	135	"
		2, Longueil.....	"	"	57	57	"
		4, " W	"	"	66	66	"

		7, "	"	"	51	51	"	
		2, Plantagenet, N..	"	"	67	67	"	
		3, " ..	"	"	100	100	"	
		4, " ..	"	"	65	65	"	
		6, " ..	"	"	204	149	"	
		7, " ..	"	"	51	51	"	
		8, " ..	"	"	152	152	"	
		12, " ..	"	"	73	73	"	
		13, " ..	"	"	27	27	"	
		14, " ..	"	"	40	23	"	
		15, " ..	"	"	55	55	"	
		4, Plantagent, S ..	"	"	143	51	"	
		7, " ..	"	"	71	71	"	
		8, " .	"	"	71	71	"	
		9, " ..	" .. .	"	82	82	"	
		11, " ..	" . ..	"	56	56	"	
		12, " ..	"	"	53	53	"	
		3, Cambridge.....	"	"	52	52	"	
		4, "	"	"	87	27	"	
		5, "	"	"	100	100	"	
		6, "	"	"	84	84	"	
		7, "	"	"	70	70	"	
		10, "	"	"	64	64	"	
		2, Clarence.....	"	"	354	226	"	
		5, "	"	"	162	162	"	
		6, Clarence.... ..	"	"	123	121	None	
		8, "	"	"	129	129	"	
		11, "	"	"	67	67	"	
		12, "	"	"	56	56	"	
		13, "	"	"	77	77	"	
		14, "	"	"	75	75	"	
		16, "	"	"	53	53	"	
		17, "	" ...	"	61	61	"	
		18, "	"	"	75	75	"	
		19, "	"	"	44	44	"	
		1, Cumberland	"	"	53	41	"	
		11, " ..	"	"	63	63	"	
		14, "	"	"	70	70	"	
		4, Russell	"	"	80	80	"	
		7, "	"	"	88	88	"	
		8, "	"	"	74	74	"	
*Perth	Wm. Alexander	4, Logan	German, Reading and Writing.		60	34	None.	
		2, S. Easthope	"	"	36	25	"	
		8, "	"	"	65	36	"	
		2, Mornington	"	"	70	50	1	

* In the first three schools named above German Reading and Writing are taught to the pupils in II. Class and higher classes two afternoons in each week. All other recitations are in English. English Reading is taught every day. In the last named school a second teacher is engaged for the first four months of this year to teach German. He knows but little English. The pupils take all lessons with the regular teacher except the lessons in German Reading and Writing. It is not intended to repeat the experiment another year. If any German is to be taught it will be done by the regular teacher. With the exception of the second teacher in No. 2, Mornington, the teachers of all the schools named are English.

RETURN shewing the number and location of Public Schools in Ontario in which any language other than English is used, etc.—*Continued.*

COUNTY.	Name of Inspector.	Number and location of Public School.	Is any language, other than English, used in the work of teaching, either wholly or in part?	List of text-books in any language other than English used in each school:	Total number of scholars attending such schools.	Number of scholars in such schools using text-books in any language other than English.	Number of teachers in such schools who cannot use the English language in teaching.
Renfrew	R. G. Scott	3, Grattan	French partly	1st and 2nd Readers, French.	51	20	
		2, Petewawa	German "	1st, 2nd and 3rd Readers, German.	33	29	
		4, Westmeath	French "	1st, 2nd, 3rd, 4th, 5th Readers, Arithmetic, Grammar for beginners, short History of Canada, French.	62	62	
Stormont	A. W. McNaughton.	16, Roxborough	French in part	I., II., III. French Readers, by A. N. Montpetit, pub. by J. B. Rollard, Montreal.	109	86	None.
		12, Finch	"	"	81	76	One teacher, inefficient in English.
*Simcoe, N	J. C. Morgan	6, Tiny	Yes. French in part	Reading	76	37	English teacher and French Assistant.
		13, "	"	Reading Books in French, Grammar and Geography.	50	50	None.
		17, "	"	Reading and Grammar	70	49	"
		19, "	"	Reading, Grammar and Geography.	36	34	"
†Waterloo County	Thos. Pearce	Berlin Town	Yes, German	Ahns' First Reader,	1476	120 These pupils study English also.	None.
		Preston Village	"	Ahns' Grammar, Reffelt's 1st, 2nd, 3rd Readers, all pub. in New York.	369	50	"
		New Hamburg	"		305	60 Arithmetic, Geography and History are taught in English only.	"
		13, Wilmot	"		242	50	"
		10, Woolwich	"		68	40	"

Waterloo Town	Thos. Hilliard	Waterloo Town	Yes, German is taught in one division of the nine, two hours per week. Subjects, reading and writing, translation of German into English, and vice versa. N.B.—English is the vehicle of instruction throughout.	None except First and Second Readers.	About 50 pupils take German as explained in col. 4. All the above take the full course in English. They must be in junior 4th class work before admission to German at all.	None except 1st and 2nd Readers used.	None.
Windsor Town	Theodule Girardot, Inspector N. Essex Reports.	The R. Catholic Public School.	Yes. French	French Readers of Montpetit French Grammar by F. P. B.	450	112	None.
W. Bruce and Town of Kincardine	A. Campbell		No	None	None	None	None.
Brant	M. J. Kelly		There is no Public School in this County in which French or German is taught.				
Dundas	Arthur Brown		No language but English used in any school in this County. None but English text-books used in any school in this County.				
Dufferin and Town Orangeville	N. Gordon		No	None	"	"	"
Durham and Towns Port Hope and Peterboro'	W. E. Tilley		"	"	"	"	"
Elgin	W. Atkin		"No such schools in Elgin County."				
Frontenac	Wm. Spankie		None	None	"	"	"
Grenville	Geo. Blair		"In no school within my inspectorate either in the County or in the Town is any other language than English used either by the scholars or the teachers, and all the text-books are in English.				
West Grey and Town Owed Sound	Thos. Gordon	None.					

* In every school English is taught thoroughly at least half the time; although in two schools only three or four English speaking pupils are to be found.

† Besides the above five schools there are a few others which take about an hour a week, some more, some less—during the winter months to a little reading; but there is really so little done in these schools they should not be reported as teaching the German language.

RETURN shewing the number and location of Public Schools in Ontario in which any language other than English is used, etc.—*Continued.*

COUNTY.	Name of Inspector.	Number and Location of Public School.	Is any language, other than English, used in the work of teaching, either wholly or in part?	List of text-books in any language, other than English, used in such school.	Total number of scholars attending such school.	Number of scholars in such schools using text-books in any language other than English.	Number of teachers in such schools who cannot use the English language in teaching.
East Grey	A. Grier		No "There is no language other than English taught in any schools in the Inspectoral District under my supervision."	No	None	None	None.
South Grey	N. W. Campbell		None In this Inspectoral Division English, and English only, is taught. One or two of the teachers may use *German* in explaning work to junior classes, but English is the language taught, and all text-books are English.	None	"	"	"
East Huron	D. MacG. Malloch		I have the honor to report, that I have no schools in my inspectorate to which this form applies. The English language is the only one taught in the Public Schools under my inspection.				
*W. Huron	Jno. E. Tom	7, Hay	One pupil is taking German for III. Class Certificate.	Text-book for III. Class German.			"
		5, Usborne	One pupil is preparing the Latin for III. Class Certificate.	Text-book for III. Class Latin.			"
North Hastings	W. Mackintosh	None	No	No	None	None	"
South Hastings	John Johnston		No.	No.	"	"	"
Haldimand	C. Moses		No.	No text-books other than English.			

Halton	J. S. Deacon	None	None. There is no public school in this county using other than the English language in the work of teaching.	None	None	None	None.
Haliburton	Chas. D. Curry		None	None	None	None	None.
E. Kent	W. H. G. Colles		No. There is no public school in East Kent in which any language, other than English, is taught, nor any text-book in any other than the English language.		None	None	None.
W. Lambton	John Brebner	None	None	None	None	None	None.
E. Lambton	Chas. A. Barnes		No. There is no other language than English used in my Division, Lambton No. 1, in any subject.	"	"	"	"
Lanark	F. L. Michell		English is used in every school in this County, and the text-books are those authorized by the Department of Education. Not a teacher in the County who does not teach all lessons in English. In some of the poor schools, the supply of authorized text-books is deficient, but the work is done wholly in English.				
Lennox & Addington	F. Burrows		Nothing but English used in all the schools.				
1. Leeds	Wm. Johnston		None. There are no "French" schools in my inspectorate.	None	None	None	None.
2. Leeds, and Town of Brockville	R. Kinney		No; not to any extent. All English.				
Lincoln	James B. Grey		We have no school in the County of Lincoln in which any language, other than English, is used in teaching.				

* There are many Germans in my Inspectorate but all the teaching is done in English. Many children in Hay and Stephen do not know any English when they first attend school. They speak only German.

RETURN shewing the number and location of Public Schools in Ontario in which any language other than English is used, etc.—*Continued.*

COUNTY.	Name of Inspector.	Number and Location of Public School.	Is any language, other than English, used in the work of teaching, either wholly or in part?	List of text-books in any language other than English used in such school:	Total number of scholars attending such school.	Number of scholars in such schools using text-books in any language other than English.	Number of teachers in such schools who cannot use the English language in teaching.
W. Middlesex	Joseph S. Carson		The language of all the schools under my inspection is English.				
E. Middlesex	J. Dearness	None	None	None	None	None	None.
orfolk	J. J. Wadsworth		English, only, in this County.				
Northumberland	E. Scarlett		No; no public school in which any language is taught, other than English, in this County.	None	None	None	None.
Oxford	W. Carlyle	No					
Ontario	Jas. McBrien	None	No	None	None	None	None.
Peel	Allan Embury		English is the language of all teachers and pupils in the schools of the County of Peel. All the text-books are in the English language.				
Peterboro'	J. Coyle Brown		The teaching in all the Public Schools of the County of Peterboro' is done in the English language, and there are no text-books in any other.				
Prince Edward	G. D. Platt		No.				

S. Simcoe	Rev. Thos. McKee.	None, positively none.	None	None	None.	None	None.
E. Simcoe	Isaac Day	Indian school on Gibson Reserve.	English as much as possible.	English text-books	13	None	None.
W. Victoria	H. Reazin		None	None	None	"	"
E. Victoria	J. H. Knight	None	"	"	"	"	"
N. Wellington	David Clapp		"	"	"	"	"
S. Wellington	J. J. Craig		"	"	"	"	"
Wentworth & Town of Dundas	J. H. Smith	None	"	"	"	"	"
Welland	Jas. H. Ball		There are no public schools in this County in which any language other than English is used.				
N. York	A. B. Davidson	None	None	None	None	None	"
S. York	D. Fotheringham		"	"	"	"	"
Districts.							
Algoma	D. McCaig	101 schools in all. 111 rooms in my inspectorate.	No other language than English used either wholly or in part in any one of these schools.	Have never seen any other text-books except the authorized text-books for public schools in a single school in my inspectorate. Know such text-books are not used.	No such schools, therefore no such scholars.	Not one. No such text books in the schools in the District of Algoma.	Do not believe a teacher in the District can speak any other language than English, with perhaps one exception (a Miss Donahue now teaching in a school newly opened on Spanish River.)
Parry Sound	Rev. Geo. Grant		No. No language except English is taught in any school in the District of Parry Sound. Nor in any public school in the District of Nipissing, as far as I have been able to learn, and I visited all the public schools of that district open in January, 1889.	No text-books are used in the District of Parry Sound except the English text-books authorized by the Education Department; nor in the District of Nipissing, as far as I could learn.	None	None	None.

RETURN shewing the number and location of Public Schools in Ontario in which any language other than English is used, etc.—*Continued.*

COUNTY.	Name of Inspector.	Number and Location of Public School.	Is any language other than English, used in the work of teaching, either wholly or in part?	List of text-books in any language other than English used in such school:	Total number of scholars attending such school.	Number of scholars in such schools using text-books in any language other than English.	Number of teachers in such schools who cannot use the English language in teaching.
CITIES.							
Guelph	Rev. Robt. Torrance.	In this city there are 28 public schools.	No	None	None	None	None.
Hamilton	W. H. Ballard	20 public schools	"	"	"	"	"
Kingston	W. G. Kidd	9 "	English only	"	"	"	"
London	J. B. Boyle	13 "	No	"	"	"	"
Ottawa	J. C. Glashan	13 "	"	"	"	"	"
St Thomas	Jno. McLean	5 "	"	"	"	"	"
Toronto	Jas. L. Hughes		"	"	"	"	"
TOWNS.							
Chatham	Rev. A. McColl	6 public schools	"	"	"	"	"
Oshawa	S. H. Eastman	4 "	"	"	"	"	"
Welland & Niagara Falls	R. Harcourt		English exclusively in every department.				

DETAILED REPORT

OF THE

INSPECTOR OF INSURANCE,

1889.

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY.

TORONTO:
PRINTED BY WARWICK & SONS, 68 AND 70 FRONT STREET WEST.
1889.

DETAILED REPORT

OF THE

INSPECTOR OF INSURANCE,

FOR THE

YEAR ENDING 31ST DECEMBER, 1888.

The Honourable J. M. GIBSON, M.P.P.,
Provincial Secretary, Toronto.

SIR,—Having previously submitted, in printed form, an Abstract Report of Insurance Companies' Statements for the year ending 31st December, 1888, I have now the honour to submit the Detailed Report as provided by the Ontario Insurance Act.

This Report includes:—

I. Detailed Statements and Synoptical Tables of Joint Stock Fire Insurance Companies.

II. Detailed Statements and Synoptical Tables of Cash-Mutual Fire Insurance Companies.

III. Detailed Statements and Synoptical Tables of Strictly Mutual Fire Insurance Companies.

IV. Comparative Summary of Assets and Premium Notes of Mutual Companies of all Classes.

V. Fire Tables for 1888; showing

(*a*) Localities, Months of Occurrence, and Total Claims paid;

(*b*) Localities, Causes and number of Losses; and

VI. Register of Insurance Companies brought up to 1st September, 1889.

I have the honour to be,
Sir,
Your obedient servant,

J. HOWARD HUNTER,
Inspector.

JOINT STOCK FIRE INSURANCE COMPANIES.

YEAR ENDING 31ST DECEMBER, 1888.

JOINT STOCK FIRE INSURANCE COMPANIES.

YEAR ENDING 31st DECEMBER, 1888.

[*FOR* HAND-IN-HAND INSURANCE COMPANY (MUTUAL AND STOCK) *AND* MILLERS' AND MANUFACTURERS' INSURANCE COMPANY (STOCK AND MUTUAL).

See under "CASH MUTUAL COMPANIES,"]

MERCANTILE FIRE INSURANCE COMPANY.

HEAD OFFICE, WATERLOO.

Commenced business 1st November, 1875.

President—I. E. BOWMAN, M.P. | *Secretary*—P. H. SIMS.

Authorized Captial, $500,000.

Subscribed Captial $200,000. Paid up $20,000.

Deposited in the Provincial Treasury, $20,129, par value.

Statement for the year ending 31st December, 1888.

ASSETS.

Mortgages.

Location of Property Covered.	Cash value of Property.	Amount of Mortgages.	
Waterloo County	$79,520	$28,060 00	
Wellington County	39,700	15,950 00	
Bruce County	14,100	7,700 00	
Perth County, N.R.	4,500	2,000 00	
Grey County	2,400	1,500 00	
Carleton County	2,000	784 50	
Lambton County	2,000	842 24	
	$144,220		$56,836 74
Market value of stocks			1,200 00
" debentures and other securities			19,570 57
Interest due, accrued and unpaid			1,939 62
Cash on hand in head office			2,475 86
Cash deposited at Molson's Bank, Waterloo			8,399 81
Ag nts' balances			5,061 29
Bills receivable, less than one year overdue			1,511 42
Total assets			$96,995 31

LIABILITIES.

Amount of claims for losses in suspense, or supposed, or reported		$2,564 23
Unearned premiums, being 50 per cent. of gross premiums		53,807 66
Dividends declared, but not yet due		2,000 00
Total liabilities, except capital stock		58,371 89
Capital stock paid up in cash		20,000 00
		$78,371 89

INCOME.

Gross premiums received in cash		$97,196 24
Received for interest from all sources		4,083 61
" carpenters' risks, transfer fees and extra premiums		1,275 83
" reinsurance		4,541 66
Total income		$107,097 34

EXPENDITURE.

Net amount paid during the year for losses occurring in years prior to 1888	$7,650 00	
Amount paid for losses occurring during the year 1888	50,590 21	
		58,240 21
Amount paid for reinsurance premiums	7,054 65	
" cancels and refunds	7,112 81	
		14,167 46
" dividends		1,600 00
Expense Account :		
Commission and brokerage, including bonus	16,522 38	
Salaries, fees, and all other charges of officials for the year	4,524 00	
Travelling expenses and adjusting losses	1,428 13	
Fuel, light, and cleaning	20 85	
Printing and advertising	733 34	
Express charges	54 31	
License fee and statutory assessment	258 37	
Rent	606 67	
Commercial agency	50 00	
Books and stationery	448 50	
Bank exchange	156 40	
Postage, telegraphing and telephones	1,081 06	
Solicitor's charges and law costs	123 88	
Taxes	15 45	
Canadian Fire Underwriters' Association	253 45	
Sundries	392 01	
		26,668 80
Total expenditure		$100,676 47

RISKS.

	No. of Policies.	Amount.
		$ c.
Policies in force December 31st, 1887	8,748	8,545,015 00
Taken during the year 1888—new and renewed	6,819	7,272,122 00
Total	15,567	15,817,137 00
Deduct expired and cancelled during 1888	6,242	6,794,502 00
In force at December 31st, 1888	9,325	9,022,635 00
Of which was re-insured		457,609 00
Net risks carried by Company, December 31st, 1888		8,565,026 00

LIST OF STOCKHOLDERS.

Name.	Residence.	Amount Subscribed.	Amount paid up in cash.
		$ c.	$ c.
Allenby, F. G.	Galt	4,000 00	400 00
Bowman, J. E.	Waterloo	12,000 00	1,200 00
Bowers, Cyrus	Berlin	5,000 00	500 00
Bowman, I. D.	"	1,000 00	100 00
Bricker, Jacob	Waterloo	2,000 00	200 00
Ballantyne, Thomas	Stratford	1,000 00	100 00
Bowlby, D. S., M D.	Berlin	10,000 00	1,000 00
Boye, Ernest	Baden	1,000 00	100 00
Bellinger, Theo.	Waterloo	500 00	50 00
Bowman, J. S.	Arthur	500 00	50 00
Briethaupt, L.	Berlin	1,200 00	120 00
Colquhoun, F.	Waterloo	3,500 00	350 00
Colquhoun, J. Ledellia	"	2,000 00	200 00
Cameron, Wm.	Port Elgin	500 00	50 00
Caw, Wm., M.D.	Parkhill	1,000 00	100 00
Day, T. J	Guelph	1,000 00	100 00
Doering, John E.	De Witt, Neb	500 00	50 00
Dickson, Wm.	Parkhill	500 00	50 00
Erb, E.	Halifax	1,000 00	100 00
Eccles, Daniel	Watford	500 00	50 00
Farrish, Wm.	Rockwood	1,000 00	100 00
Fennell, John	Berlin	500 00	50 00
Fletcher, Ann, Mrs.	Rockwood	3,200 00	320 00
Fink, Paul	Waterloo	1,000 00	100 00
Foster, Marietta W.	Toronto	1,000 00	100 00
Gibbs, John	Parkhill	2,000 00	200 00
Gissing, F. J.	Ontario, California	1,000 00	100 00
Hughes, J. B.	Waterloo	2,000 00	200 00
Hilliard, Thomas	"	1,000 00	100 00
Hendry, Charles	"	5,000 00	500 00
Hunter, Wm.	Guelph	2,000 00	200 00
Hay, W. G.	Listowel	1,000 00	100 00
Hough, James	Guelph	1,000 00	100 00
Hogg, David N.	"	2,500 00	250 00

LIST OF STOCKHOLDERS—*Continued.*

Name.	Residence.	Amount Subscribed.	Amount paid up in cash.
		$ c.	$ c.
Innes, James	Guelph	4,000 00	400 00
Irwin, John	Strathroy	1,000 00	100 00
Jackson, Henry F. J	Brockville	5,000 00	500 00
Jaffray, R	Galt	1,000 00	100 00
Killer, Nicholas	Waterloo	1,000 00	100 00
Kaufman, S	Washington, Ont	5,000 00	500 00
Krumpf, C	Waterloo	1,000 00	100 00
Kranz, Hugo	Berlin	1,000 00	100 00
Livingston, James	Baden	2,000 00	200 00
Lockie, James	Waterloo	2,500 00	250 00
Lautenschlager, P	Berlin	2,000 00	200 00
Moore, George	Waterloo	3,000 00	300 00
Miller, Alex	Berlin	1,000 00	100 00
Melvin, Robert	Guelph	7,000 00	700 00
Merner, Fred	New Hamburg	1,000 00	100 00
Morton, W., M.D	Wellesley	500 00	50 00
Oelschlager, Wm	Berlin	5,000 00	500 00
Peffers, Joseph	Listowel	500 00	50 00
Petrie, A. B	Guelph	3,000 00	300 00
Reiner, John G	Wellesley	2,000 00	200 00
Somerville, G. A	Guelph	2,500 00	250 00
Snyder, J. B	St. Jacobs	10,000 00	1,000 00
Snider, E. W. B	"	6,000 00	600 00
Shuh, John	Waterloo	2,000 00	200 00
Snider John B	"	2,000 00	200 00
Snider, Simon	"	5,000 00	500 00
Sims, P. H	"	3,000 00	300 00
Snider, Wm	"	2,500 00	250 00
Stewart, Wm	Guelph	1,000 00	100 00
Scott, John A	Stratford	1,000 00	100 00
Staebler, J. M	Berlin	1,000 00	100 00
Schneider, Fred	"	1,000 00	100 00
Stuebing, Wm	Waterloo	500 00	50 00
Sawtell, R. W	Woodstock	1,000 00	100 00
Scott, J. W	Listowel	1,000 00	100 00
Scoon, John	Guelph	500 00	50 00
Springer, M	Waterloo	1,500 00	150 00
Stirton, David	Guelph	3,000 00	300 00
Trow, James	Stratford	5,000 00	500 00
Towner, George	Listowel	1,000 00	100 00
Winger, Peter	Elmira	1,000 00	100 00
Wilkes, Alfred J	Brantford	3,000 00	300 00
Wright, G. W., M.D	Berlin	1,000 00	100 00
Wright & Durand	London	500 00	50 00
Webb, J. H., M.D	Waterloo	4,000 00	400 00
Young, Wm	Waterloo	17,600 00	1,760 00
Zoeger, John	Newton	500 00	50 00
Zinkann, J. N	Lisbon	500 00	50 00
Total		$200,000 00	$20,000 00

QUEEN CITY FIRE INSURANCE COMPANY.

HEAD OFFICE, TORONTO.

Commenced business 1st July, 1871.

President—W. H. Howland. | *Secretary*—Thomas Walmsley.

Authorized Capital, $100,000.

Subscribed Capital, $100,000. Paid up, $50,000.

Securities deposited in Treasury of Ontario, $10,000 par valne.

Assets.

Value of real estate held by Company, being land and building on the west side of Church Street, Toronto, where the head offices of the Company are situated			$61,000 00
Debentures of Freehold Loan and Savings Company			10,000 00
Mortgages:—			
	Cash value of property.	Amount of Mortgages.	
Scarboro' Township	$15,000 00	$6,000 00	
Toronto City	121,700 00	56,894 00	
	$136,700 00		
Total amount of loans secured by mortgage			62,894 00
Agents' balances			1,358 85
Interest accrued and unpaid on all loans as above			1,275 33
Accrued rents			3,313 73
Building improvement			12,582 99
Total assets			$152,424 90

Liabilities.

Unearned premiums, being 50 per cent. of gross premiums	$12,271 14
Other liabilities	1,543 10
Total liabilities, except capital stock	$13,814 24
Capital stock paid up in cash	$50,000 00

REVENUE ACCOUNT.

Gross premiums received in cash	$17,530 18
Received for interest and dividends on stocks and all other source	3,505 11
Rents	3,934 95
Received for re-insurance on policies become claims	989 97
Total	$25,960 21

EXPENDITURE.

Amount paid for losses occurring during the year 1888	$2,169 15	
" " before "	1,230 20	
		$3,399 35
Amount paid for re-insurance premiums		1,381 39
" cancelled policies		847 95
Amount of dividends paid during the year to shareholders	2,500 00	
" " " " policy-holders	230 81	
		2,730 81
Paid for commission, or brokerage		1,454 84
" salaries, fees, and all other remuneration of officials		3,620 00
" rent		500 00
" statutory assessment and license fee	117 97	
" books and stationery	105 14	
" printing and advertising	406 90	
" office furniture	27 50	
" travelling expenses	275 16	
" telephone	21 67	
" voted at annual meeting	1,000 00	
" donation to Fire Brigade	3 34	
" legal expenses	121 95	
" other expenses	1,605 36	
		3,684 99
Total expenditure		$17,619 33

MISCELLANEOUS.

Fire Risks.	Number.	Amount.
		$ c.
Policies in force (gross) December 31st, 1887	1,698	2,645,597 83
Taken during the year 1888, new and renewed	1,249	1,992,741 00
Total	2,947	4,638,338 83
Deduct expired and cancelled during 1888	1,162	2,013,964 50
In force at 31st December, 1888	1,785	2,624,374 33
Of which was re-insured		220,072 25
Net risks carried by Company December 31st, 1888		2,404,302 08

LIST OF STOCKHOLDERS.

Name.	Residence.	Amount subscribed.	Amount paid up in cash.
		$ c.	$ c.
Austin, James	Toronto	2,000 00	1,000 00
Badenach, William	"	1,000 00	500 00
Close, P. G.	"	1,000 00	500 00
Copp, Clark & Co.	"	1,000 00	500 00
Downey, J.	"	1,000 00	500 00
Elliott, R. W.	"	2,500 00	1,250 00
English, C. E.	"	12,300 00	6,150 00
English, E. Taylor	"	200 00	100 00
Harvey, A.	"	500 00	250 00
Hessin, William	"	500 00	250 00
Hooper, C. E. and Kirk, I. F. (in trust)	"	4,000 00	2,000 00
Howland, W. H.	"	10,000 00	5,000 00
Maclennan, James	"	5,000 00	2,500 00
Maclennan, James Wamlsey, Thomas } Trustees Howland, W. H.	"	5,000 00	2,500 00
Macnab, John	"	3,000 00	1,500 00
Roaf, J. R.	"	1,500 00	750 00
Scott & Walmsley	"	26,000 00	13,000 00
Scott, Hugh	"	5,000 00	2,500 00
Scott, James	"	3,000 00	1,500 00
Scott, J. G.	"	1,000 00	500 00
Strathy, H. H.	Barrie	1,000 00	500 00
Walmsley, William	Toronto	1,000 00	500 00
Walmsley, Thomas	"	10,000 00	5,000 00
Watson, James.	"	1,000 00	500 00
Wood, A. T.	Hamilton	1,500 00	750 00
Total		100,000 00	50,000 00

RECAPITULATION

OF

ASSETS, LIABILITIES, INCOME AND EXPENDITURE

OF JOINT STOCK FIRE INSURANCE COMPANIES.

JOINT STOCK FIRE INSURANCE COMPANIES.

ASSETS FOR YEAR ENDING 31st DECEMBER, 1888

Name of Company.	Real Estate.	Bonds, Mortgages and other Investments.	Interest accrued.	Rents.	Cash.	Agents' Balances.	Bills Receivable.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Mercantile		77,607 29	1,939 62		10,875 67	5,061 29	1,511 42	96,995 29
Queen City	73,582 99	72,894 00	1,275 33	3,323 73		1,358 85		152,424 90
Total	73,582 99	150,501 29	3,214 95	3,313 73	10,875 67	6,420 14	1,511 42	249,420 19

Government Deposits as follows:—Mercantile, $20,129.00; Queen City, $10,000.00.

LIABILITIES FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Unpaid losses.	Unearned Premiums calculated at 50 per cent.	Dividends, etc.	Total Liabilities except Capital Stock.	Paid-up Capital Stock.	Grand Total of Liabilities.	Number of Policies in force.	Total Amount at Risk.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.		$ c.
Mercantile	2,564 23	53,807 66	2,000 00	58,371 89	20,000 00	78,371 89	9,325	9,022,635 00
Queen City		12,271 14	1,543 10	13,814 24	50,000 00	63,814 24	1,785	2,624,374 33
Total	2,564 23	66,078 80	3,543 10	72,186 13	70,000 00	142,186 13	11,110	11,647,009 33

JOINT STOCK FIRE INSURANCE COMPANIES.

INCOME FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Re-insurances.	Gross Premiums.	Interest and Dividends.	Rents.	From other sources.	Total Income.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Mercantile	4,541 66	97,196 24	4,083 61	.....	1,275 83	107,097 34
Queen City	989 97	17,530 18	3,505 11	3,934 95	.....	25,960 21
Total	5,531 63	114,726 42	7,588 72	3,934 95	1,275 83	133,057 55

EXPENDITURE FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Dividends	Losses.	Re-insurance and Refunds.	Expenses of Managemnnt.				Total Expenditure.
				Commission.	Salaries.	All other expenses.	Total.	
	$ c.	$ c.	$ c,	$ c.	$ c.	$ c.	$ c.	$ c.
Mercantile	1,600 00	58,240 21	14,167 46	16,522 38	4,524 00	5,622 42	26,668 80	100,676 47
Queen City	2,730 81	3,399 35	2,229 34	1,454 84	3,620 00	4,184 99	9,259 83	17,619 33
Total	4,330 81	61,639 56	16,396 80	17,977 22	8,144 00	9,807 41	35,928 63	118,295 80

CASH-MUTUAL FIRE COMPANIES,

ASSETS AND LIABILITIES; INCOME AND EXPENDITURE.

MIXED MUTUAL AND CASH SYSTEM COMPANIES.

YEAR ENDING 31ST DECEMBER, 1888.

THE CITY MUTUAL OF LONDON FIRE INSURANCE COMPANY.

HEAD OFFICE, LONDON.

Commenced business 1st June, 1886.

President—JAMES COWAN | *Secretary*—J. B. VINING.

Unassessed premium note capital, $35,589 42.

Cash deposited in Provincial Treasury in trust for City Mutual Fire Insurance Company, $10,000.00.

ASSETS.

Cash on hand at head office	$3 13	
Cash on deposit to the Company's credit not drawn against in Molson's Bank	1,107 48	
		1,110 61
Cash deposit to credit of Provincial Treasurer, in Molson's Bank, as above.		10,000 00
Cash in agents' hands acknowledged by them to be due, and considered good		1,770 34
Amount of premium notes in force, after deducting all payments thereon and assessments levied	35,589 42	
Less residue of premium notes given for re-insurance	2,040 26	
		33,549 16
Interest accrued		337 18
Total assets		$46,767 29

LIABILITIES.

Amount of losses adjusted	$314 50
Amount of unpaid loan	6,000 00
Unearned premiums, being 50 per cent. of gross premiums	4,680 21
Total liabilities	$10,994 71

RECEIPTS.

Cash at head office as per last statement not extended	$1,317 71	
Cash received as first payments, being part payment of premium notes		5,627 57
" for assessments levied in 1888		5,115 83
" premiums on cash system		9,091 85
" interest		21 37
" money borrowed		
" transfer fees and extra premiums		23 84
" note paid		52 32
" reinsurance		288 72
Total receipts		$20,221 50

EXPENDITURE.

Expenses of Management:

Amount paid to agents for commission		$3,062 27
" interest		376 30
" statutory assessment and license		48 98
" investigation and adjustment of claims		587 10
" printing, stationery and advertising		348 69
" salaries, directors' and auditors' fees		2,553 15
" rent and taxes		60 00
" postage, telegrams and express		158 41
" fuel and light		5 90
" law costs		67 48
" bank commission, $11.90, travelling, $13.70		25 60
" other expenses		89 24
Expenses of management		$7,383 12

Miscellanous Payments:

Cash paid for losses which occurred during 1888	$1,437 52	
" " " 1888	8,781 39	
		10,218 91
" re-insurance		1,482 08
" rebate, abatement and returned premiums		325 18
" repayment of loan		1,000 00
Total Expenditure		$20,409 29

CURRENCY OF RISKS.

Amount covered by policies in force 31st. Dec., 1888.

System.	One year or less.	Two years.	Three years.	Total.
	$ c.	$ c.	$ c.	$ c.
Mutual	25,200 00	27,871 00	561,602 00	614,673 00
Cash	427,528 00	4,800 00	156,362 00	588,690 00
Total	452,728 00	32,671 00	717,964 00	1,203,363 00
Re-insured.				
Mutual			41,825 00	41,825 00
Cash	30,250 00		4,300 00	34,550 00
Total	30,250 00		46,125 00	76,375 00
Net risks carried by Company, Dec. 31st, 1888	422,478 00	32,671 00	671,839 00	1,126,988 00

MOVEMENT IN RISKS.

Mutual System.

System of Insurance.	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	333	389,311 00
" new and renewed during 1888	279	319,148 00
Gross number during 1888	612	708,459 00
Less expired and cancelled in 1888	79	93,786 00
Net risks in force 31st December, 1888	533	614,673 00
Cash System.		
Policies in force 31st December, 1887	404	408,344 00
" taken during 1888. new and renewed	411	411,771 00
Gross number during 1888	815	820,115 00
Less expired and cancelled in 1888	188	231,425 00
Net risks in force on cash system 31st December, 1888	627	588,690 00

CLASSIFICATION OF RISKS:

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	One year.	Two years.	Three years.	Total.
	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	974 42	2,116 50	53,849 37	56,940 29
Amount of all premium notes, after deducting all payments thereon and assessments levied				35,589 42
Amount of premium notes received during the year 1888				27,716 81
Residue of premium notes given for re-insurances				2,040 26

FIRE INSURANCE EXCHANGE.

HEAD OFFICE, TORONTO.

Commenced business 3rd August, 1886.

President—FREDERICK WYLD. | *Secretary*—HUGH SCOTT.

Guarantee capital		$200,000 00
Securities deposited in Treasury of Ontario :		
Debentures of Manitoba and N. W. Loan Co'y		5,000 00
Subscription list of guarantee capital		200,000 00
Unassessed premium note capital		11,738 86

ASSETS.

Shares, debentures and other securities		$5,000 00
Cash on deposit in Standard Bank, Toronto		8,821 89
Undertakings, unassessed amount	$11,738 86	
Less residue of premium notes given for re-insurance	1,408 44	
		10,330 42
Fire equipment	18 05	
Re-insurance	974 36	
Sundries	345 30	
		1,337 71
Total assets		$25,490 02

LIABILITIES.

Unearned premiums being 50 per cent. of gross premiums	$1,412 95
All other liabilities	2,263 00
Total	$3,675 95

INCOME.

Cash on deposit in Standard Bank, as per last statement, not extended	$5,134 12	
Cash received as first payments or deposits, being part payment of premium notes		$12,087 31
Cash received for premiums on cash system		3,150 72
" interest		494 19
Total		$15,732 22

EXPENDITURE.

Cash paid for investigation and adjustment of claims	$46 63
" statutory certificate and license	57 15
" rent	300 00
" salaries, directors' and auditors' fees	1,880 00
" printing, stationery and advertising	434 43
" postage, telegrams and express	55 74
" travelling expenses	797 16
" bank commission, $17.68 ; furniture, etc., $8.30	25 98
Total expenses of management	$3,597 09
Cash paid for losses which occurred during 1888	6,886 36
" re-insurances	1,800 72
" rebate	377 63
" bonus to continuing members	460 91
Total expenditure	$13,122 71

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Three years.	Total.
	$ c.	$ c.	$ c.
Mutual	1,126,987 34		1,126,987 34
Cash	198,599 00	165,513 00	364,112 00
Total	1,325,586 34	165,513 00	1,491,099 34
Re-insured.			
Mutual	186,000 00		186,000 00
Cash	16,500 00	5,000 00	21,500 00
Total	202,500 00	5,000 00	207,500 00
Net risks carried by Company, Dec., 31st, 1888	1,123,086 34	160,513 00	1,283,599 34

MOVEMENT IN RISKS.

System of Insurance.	Number.	Amount.
Mutual System.		$ c.
Policies in force 31st December, 1887	240	986,969 00
" new and renewed during 1888	237	1,187,320 34
Gross number during 1888	477	2,174,289 34
Less expired and cancelled in 1888	253	1,047,302 00
Net risks in force on mutual system 31st December, 1888	224	1,126,987 34
Cash System.		
Policies in force 31st December, 1887	128	352,751 00
" new and renewed during 1888	137	431,129 00
Gross number during 1888	265	783,880 00
Less expired and cancelled in 1888	168	419,768 00
Net risks in force on cash system 31st December, 1888	97	364,112 00

BUSINESS TRANSACTED.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	One year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	23,477 72	23,477 72
Amount of all premium notes, after deducting all payments thereon and assessments levied	11,738 86	11,738 86
Amount of premium notes received during the year 1888	24,230 62	24,230 62
Residue of premium notes given by Company for re-insurance	1,408 44	1,408 44

LIST OF GUARANTORS.

Subscription List of Guarantee Capital deposited as security in the Provincial Treasury, pursuant to the Ontario Insurance Act, Section 28.

Name of Guarantor.	Residence.	Amount Guaranteed.
		$ c.
Allen, W. A	Ottawa	1,500 00
Brennon, J. C	"	1,000 00
Breck, W. R	Toronto	5,000 00
Bunting, C. W	"	5,000 00
Bain, Laidlaw & Co	"	5,000 00
Blain, Hugh	"	5,000 00
Bate & Co., C. T	Ottawa	1,000 00
Cronyn, V	London	2,000 00
Campbell, A. H	Toronto	5,000 00
Darling, Andrew	"	5,000 00
Dunnett, Thomas	"	1,500 00
Devlin, R. J	Ottawa	1,500 00
Elliot, W	Toronto	5,000 00
Eby, J. E	"	5,000 00
Elliot, Robert	"	5,000 00
Gurney, E	"	5,000 00
Gage, W. J	"	5,000 00
Garland, J. M	Ottawa	1,000 00
Howland, Sir W. P	Toronto	5,000 00
Hamilton, W. B	"	5,000 00
Howland, H. S	"	5,000 00
Hallam, John	"	5,000 00
Hedley, James	"	5,000 00
Howland, W. H	"	5,000 00
Ince, William	"	5,000 00
Irving, A. S	"	5,000 00
Mackay, Donald	"	5,000 00
McKinnon, S. F	"	5,000 00
Martin, C	"	1,500 00
Mucklestone, J	Kingston	3,000 00
O'Brien, Henry	Toronto	5,000 00
Patterson, R. L	"	5,000 00
Park, W. W	"	5,000 00
Rogers, Elias	"	5,000 00
Rose, G. M	"	5,000 00
Spink, J. L	"	2,500 00
Scott, Hugh	"	5,000 00
Scott, James	"	5,000 00
Wyld, Fred. R	"	5,000 00
Withrow, John J	"	5,000 00
Walmsley, Thomas	"	5,000 00
Watson, James	"	5,000 00
Wilson, William	"	5,000 00
Waldie, John	"	5,000 00
Wood, Honourable S. C	"	3,500 00
Wood, A. T	Hamilton	5,000 00
Yarker, G. W	Toronto	5,000 00
		$200,000 00

GORE DISTRICT MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, GALT.

Commenced business 16th October, 1839.

President—Hon. James Young. | *Secretary*—R. S. Strong.

Unassessed premium note capital, $148,354.77.

Securities deposited in Treasury of Ontario, par value, $20,000.

Assets.

Loans secured by mortgages	$57,800 00	
Market value of shares, bonds, debentures and securities other than the foregoing	12,500 00	
		$70,300 00
Actual cash on hand at head office		1,472 64
Cash on deposit to the Company's credit, not drawn against in the following chartered banks :		
Merchant's Bank, agency at Galt	21,679 15	
Bank of Commerce "	11,502 04	
		33,181 19
Cash in agents' hands acknowledged by them to be due and considered good		3,598 95
Amount unpaid of assessments levied during 1888		57 12
Amount unpaid of premium notes in force after deducting all payments thereon and assessments levied	$148,354 77	
Less residue of premium notes given by the Company for re-insurance	2,401 59	
Net premium notes		145,953 18
Amount of interest accrued		2,098 27
Total assets		$256,661 35

Liabilities.

Amount of losses supposed or reported	$1,727 48	
" " resisted	1,639 97	
" " adjusted	1,000 00	
		$4,367 45
Amount required to re-insure all outstanding risks taken on the cash system, being 50 per cent. of gross premiums on all cash system policies in force at 31st December, 1888		23,473 15
Total liabilities		$27,840 60

Receipts.

Cash at head office, as per last statement (not extended)	$576 64	
Cash received as first payments		$17,468 66
" assessments of 1888		28,853 45
" " prior years		2,580 69
" premiums on cash system		33,914 21
" interest		5 325 03
" debentures, mortgages and deposit receipts		19,875 00
" re-insurance claims		6,952 06
" transfer fees and extra premiums		572 01
Total receipts		$115,341 11

Expenditure.

Expenses of Management :

Amount paid for commission and bonus to agents		$14,130 96
" law costs		126 27
" fuel and light		77 78
" investigation and adjustment of claims		244 28
" statutory assessment or certificate		202 44
" bank charges, etc		222 29
" printing, stationery and advertising		706 16
" rent and taxes		569 00
" salaries, directors' and auditors' fees		5,937 90
" travelling expenses		558 78
" postage, telegrams and express		736 74
" incidentals		132 95
Expenses of management		$23,645 46

Miscellaneous Payments :

Cash paid for losses which occurred prior to 1888	966 41	
" " " during 1888	62,193 32	
		63,159 73
" re-insurances		7,125 75
" rebate, abatement and returned premiums		2,215 88
" mortgage and bank deposit receipts		6,450 00
Total expenditure		$102,596 82

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Two years.	Three years.	Total.
	$ c.	$ c.	c.	$ c.
Mutual	9,250 00	950 00	2,880,373 00	2,890,273 00
Cash	1,298,023 00		3,224,602 86	4,522,625 86
Total	1,307,273 00	950 00	6,104,675 86	7,412,898 86
Re-insured.				
Mutual	48,821 66			
Cash	362,710 48			
Total	411,532 14			411,532 14
Net risks carried by Company, Dec. 31st, 1888				7,001,366 72

MOVEMENT IN RISKS.

System of Insurance.	Number.	Amount.
Mutual System.		$ c.
Policies in force 31st December, 1887	1,995	2,751,822 05
Policies new and renewed during 1888	876	1,248,630 00
Gross number during 1888	2,871	4,000,452 05
Less expired and cancelled in 1888	822	1,110,179 05
Net risks in force on mutual system, 31st December, 1888	2,049	2,890,273 00
Cash System.		
Policies in force, 31st December, 1887	4,553	4,493,554 96
Policies new and renewed during 1888	1,906	2,484,412 00
Gross number during 1888	6,459	6,977,966 96
Less expired and cancelled in 1888	1,844	2,455,341 10
Net risks in force on cash system, 31st December, 1888	4,615	4,522,625 86

BUSINESS TRANSACTED:

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	One year risks.	Two year risks.	Three year risks.	Total.
	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment.....	931 00	48 00	227,861 00	228,840 00
Amount of premium notes, after deducting all payments thereon and assessments levied	655 80	37 44	147,661 53	148,354 77
Amount of premium notes received during the year 1888	466 00	48 00	100,906 00	101,420 00
Re-insurance.				
Residue of premium notes given by the Company for re-insurance ..	.....	.....	2,401 59	....

HAND-IN-HAND INSURANCE COMPANY, MUTUAL AND STOCK.

HEAD OFFICE, TORONTO, ONT.

Commenced business 1st July, 1873.

President—W. H. HOWLAND | *Secretary*—HUGH SCOTT.

By Act 42 Vic. cap. 85, Ontario Statutes, 1879, power was granted to this Company to raise Capital Stock and do business on the Cash System.

Authorized Stock Capital	$500,000 00
Subscribed "	100,000 00
Paid up in cash "	20,000 00
Stock uncalled	80,000 00
Securities deposited in the Treasury of Ontario (par value)	10,000 00

LIST OF STOCKHOLDERS.

Name.	Residence.	Amount Subscribed for.	Amount paid up in cash.
		$ c.	$ c.
Austin, James	Toronto	5,000 00	1,000 00
Campbell, A. H.	"	5,000 00	1,000 00
Coffee & Co., L.	"	5,000 00	1,000 00
Dixon, B. Homer	"	5,000 00	1,000 00
Downey, John	"	5,000 00	1,000 00
Elliott, Wm	"	5,000 00	1,000 00
Fisher, D	Bowmanville	5,000 00	1,000 00
Fleming, R. J	Toronto	5,000 00	1,000 00
Gzowski, Col. C. S.	"	5,000 00	1,000 00
Howland, W. H.	"	5,000 00	1,000 00
Hooper, C. E. and J. F. Kirk, in trust	"	5,000 00	1,000 00
Macpherson, Sir D. L.	"	5,000 00	1,000 00
Maclennan, James	"	5,000 00	1,000 00
McMaster, Hon. Wm., estate of	"	5,000 00	1,000 00
Smith, Prof. Goldwin	"	5,000 00	1,000 00
Smith, Larratt W., D.C.L	"	5,000 00	1,000 00
Smith, Henry A	London, Ont	5,000 00	1,000 00
Scott, James	Toronto	5,000 00	1,000 00
Smith, Sir D. A	Montreal	5,000 00	1,000 00
Scott & Walmsley	Toronto	5,000 00	1,000 00
	Total	100,000 00	20,000 00

Assets.

Mortgages on property in Toronto		$15,186 33
Shares, debentures and other securities		13,662 00
Cash on deposit to Company's credit in Ontario Bank		8,533 73
" " " " Freehold Loan and Savings Co'y		10,000 00
Cash in agents' hand		3,176 42
Premium notes in force after deducting all payments thereon and assessments levied	$14,146 23	
Less residue of premium notes given for re-insurance	1,934 99	
		12,211 24
Accrued interest		587 82
All other assets		1,113 40
Total		$64,470 94
Subscribed capital uncalled		$80,000 00

Liabilities.

Amount of losses adjusted	$16 02
Amount required to re insure all outstanding risks taken on cash system, being 50 per cent. of gross premiums on all cash system policies in force at December 31st, 1888	5,278 33
Directors' fees	220 00
Other liabilities	3,748 60
Total liabilities	$9,262 95

Revenue Account.

Cash received for premiums on cash system	$12,114 91
" as first payments or deposits, being part payment of premium notes	14,765 77
" for interest	1,800 18
" premiums, Plate Glass Branch	2,143 60
Total income	$30,824 46

EXPENDITURE.

ash paid for rent		$400 00
" fuel and light		149 72
" travelling expenses		422 42
" statutory assessment, license, etc		83 13
" printing, stationery and advertising		334 04
" salaries, Directors' and Auditors' fees		1,320 00
" investigation and adjustment of claims		87 58
" postage, telegrams and express		83 72
" other expenses		265 73
Total expenses of management		$3,146 34
Cash paid for losses during 1888	$1,826 45	
" " before 1888	8,904 05	
		$10,730 50
" re-insurances		5,075 33
" rebate, abatement and returned premiums		1,221 27
" dividends		2,000 00
" vote to President		500 00
Total expenditure		$22,673 44

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Three years.	Four years.	Total.
Insurance.	$ c.	$ c.	$ c.	$ c.
Mutual	975,005 00	65,837 00	4,000 00	1,044,842 00
Cash	621,019 00	453,057 00		1,074,076 00
Total	1,596,024 00	518,894 00		2,118,918 00
Re-insurance.				
Mutual	169,850 00			169,850 00
Cash	223,332 00			223,332 00
Total	393,182 00			393,182 00
Net risks carried by Company, Dec. 31, 1888	1,202,842 00	518,894 00	4,000 00	1,725,736 00

MOVEMENT IN RISKS.

System of Insurance.	Number.	Amount.
Fire Risks.—*Mutual System.*		$ c.
Policies in force 31st December, 1887	346	791,656 00
" new and renewed during 1888	290	1,070,098 00
Gross number during 1888	636	1,861,754 00
Less expired and cancelled in 1888	344	816,912 00
Net risks in force on mutual systems 31st December, 1888	292	1,044,842 00
Fire Risks.—*Cash System.*		
Policies in force 31st December, 1887	681	1,067,360 00
" new and renewed during 1888	604	1,160,484 00
Gross number during 1888	1285	2,227,844 00
Less expired and cancelled in 1888	737	1,153,768 00
Net risks in force on Cash system 31st December, 1888	548	1,074,076 00
Plate Glass Risks.		
Policies in force 31st December, 1887	442	150,057 00
" new and renewed during 1888	342	59,676 00
Gross number during 1888	784	209,733 00
Less expired and cancelled in 1888	235	52,896 00
Net risks in force 31st December, 1888	549	156,837 00

BUSINESS TRANSACTED:

General Fire, Plate Glass, and Inland Marine Insurance.

PREMIUM NOTES OR UNDERTAKINGS.

On Policies in force December 31st 1888.

	One year risks.	Three year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	27,126 04	1,166 42	28,292 46
Amount of all premium notes, after deducting all payments thereon and assessments levied	13,563 02	583 21	14,146 23
Amount of premium notes received during the year 1888	29,531 54		29,531 54
Residue of premium notes given for re-insurance	1,934 99		1,934 99

THE MILLERS' AND MANUFACTURERS' INSURANCE COMPANY, MUTUAL AND STOCK.

HEAD OFFICE, TORONTO, ONT.

Commenced business 1st September, 1885.

President—JAMES GOLDIE. | *Secretary*—DOUGLAS SUTTON.

Authorized stock capital	$250 000 00
Subscribed stock capital	125,000 00
Paid up in cash	12,250 00
Capital stock uncalled	112,500 00
Securities deposited with Treasurer of Ontario	10,000 00

ASSETS.

Shares, debentures and other securities		$18,000 00
Cash on hand at Head Office	$649 53	
Cash on deposit in Central Bank, Toronto	1,439 05	
" " Traders' Bank, Toronto	3,742 28	
" " Land Security Company	10,203 42	
" " Bank of Commerce	330 14	
		16,364 42
Undertakings, unassessed amount	39,280 80	
Less residue of premium notes given for re-insurance	13,675 90	
		25,604 90
Notes or due bills less than one year overdue		1,465 03
Unpaid call on stock		250 00
Fire equipment		656 71
Uncollected premiums		1,689 20
Bills receivable		1,465 45
Other assets		571 81
Total assets		$66,067 52
Capital stock uncalled		$112,500 00

LIABILITIES.

Total liabilities to public	$3,535 09
Liabilities to stockholders—	
Call on stock, paid	$12,250 00
" unpaid	250 00
Total call	$12,500 00

REVENUE ACCOUNT.

Cash received as first payments or deposits, being part payment of premium notes	$40,380 48
" for interest	1,317 11
" commission account	1,940 34
Total income	$43,637 93

EXPENDITURE.

Cash paid for statutory assessment, license, etc	$116 36
" travelling expenses	1,512 52
" rent	300 00
" salaries, directors' and auditors' fees	4,407 01
" printing, stationery and advertising	418 88
" postage, telegrams and express	207 66
" sundries	113 10
Total expenses of management	$7,075 53
Cash paid for losses which occurred during 1888	12,123 06
" re-insurances	13,675 90
" rebate	1,668 38
" dividends	1,225 00
Total expenditure	$35,767 87

CURRENCY OF RISKS.

Amount Covered by Policies in force 31st December, 1888.

System.	One year or less.	Total.
	$ c.	$ c.
Mutual insurance	2,111,725 00	2,111,725 00
Re-insurance	748,100 00	748,100 00
Net risks	1,363,625 00	1,363,625 00

MOVEMENT IN RISKS.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	392	1,363,341 00
Policies new and renewed during 1888	731	2,442,799 00
Gross number during 1888	1,123	3,806,140 00
Less expired or cancelled in 1888	544	1,694,415 00
Net risks in force on mutual system 31st December, 1888	579	2,111,725 00

BUSINESS TRANSACTED.

Manufacturing Risks.

PREMIUM NOTES OR UNDERTAKINGS.

On Policies in force December 31st, 1888.

	One year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	84,139 36	84,139 36
Amount of all premium notes, after deducting all payments thereon and assessments levied	39,280 80	39,280 80
Amount of premium notes received during the year 1888	84,139 36	84,139 36
Residue of premium notes given for re-insurance		13,675 90

LIST OF STOCKHOLDERS.

NAME.	ADDRESS.	No. of Shares.	Amount of Stock.	Amount of 10 per cent. cash.
			$ c.	$ c.
W. H. Howland	Toronto	50	5,000 00	500 00
James Goldie	Guelph	50	5,000 00	500 00
J. B. Armstrong	"	50	5,000 00	500 00
W. Bell & Co.	"	50	5,000 00	500 00
D. McRae	"	20	2,000 00	200 00
Robert Noble	Norval	30	3,000 00	300 00
Wm. Farrish	Rockwood	10	1,000 00	100 00
H. Hortrop	Everton	10	1,000 00	100 00
A. Watts	Brantford	50	5,000 00	500 00
David Plews	"	10	1,000 00	
A. H Baird	Paris	10	1,000 00	100 00
C. Whitelaw	"	10	1,000 00	100 00
Thos. O'Neail	"	5	500 00	50 00
Lyman Miller	Woodstock	5	500 00	
D. W. Karn & Co.	"	20	2,000 00	200 00
R. Whitelaw	"	10	1,000 00	100 00
James Hay & Co	"	50	5,000 00	500 00
Wm. Partlo	Ingersoll	20	2,000 00	200 00
Bradbury & Co	"	10	1,000 00	100 00
Noxon Bros.	"	30	3,000 00	300 00
J. D Sannby	London	20	2,000 00	200 00
W. McBride	Strathroy	10	1,000 00	100 00
H. Mustard	Wyoming	10	1,000 00	100 00
Robert Stevens	Guelph	10	1,000 00	100 00
Robert Forbes	"	20	2,000 00	200 00
R. & W. S. Law	Georgetown	10	1,000 00	100 00
Creelman Bros.	"	10	1,000 00	100 00
John R. Barber	"	20	2,000 00	200 00
S. Neelon	St. Catharines	30	3,000 00	300 00
James Norris	"	30	3,000 00	300 00
R. H. Smith & Co.	"	10	1,000 00	100 00
Taylor & Bate	"	10	1,000 00	100 00
Charles Riordan	Merritton	50	5,000 00	500 00
J. Zingsheim	Hamilton	30	3,000 00	300 00
J. L Spink	Toronto	30	3,000 00	300 00
H. N. Baird	"	30	3,000 00	300 00
P. McCabe	Port Hope	10	1,000 00	100 00
Hugh Scott	Toronto	30	3,000 00	300 00
William Sutton	Simcoe	10	1,000 00	100 00
H. Barrat	Port Hope	10	1,000 00	
Sadler, Dundas & Co.	Lindsay	30	3,000 00	300 00
A. H. Campbell	Toronto	50	5,000 00	500 00
McLaughlin & Moore	"	25	2,500 00	250 00
R. W. Elliott	"	10	1,000 00	100 00
Thomas McKay & Co	Ottawa	10	1,000 00	100 00
Jas. Hall & Co	Brockville	20	2,000 00	200 00
King Bros	Whitby	15	1,500 00	150 00
Goldie & McCulloch	Galt	50	5,000 00	500 00
Cherry Bros	Preston	10	1,000 00	300 00
George Pattinson	"	30	3,000 00	300 00
Jacob Hilborn	Blair	10	1,000 00	100 00
Angus McNally	"	10	1,000 00	100 00
Joseph E Seagram	Waterloo	10	3,000 00	300 00
Lewis Kribs	Hespeler	10	1,000 00	100 00
Wm. Wilson	Toronto	50	5,000 00	500 00
Total		1,250	125,000 00	12,250 00

THE ONTARIO MUTUAL FIRE INSURANCE COMPANY.

Commenced business 2nd September, 1867.

President—ANDREW MCCORMICK. | *Secretary*—P. F. BOYLE.

Unassessed premium note capital, $50,548.99.
Deposited with Treasurer of Ontario, $2,000.

ASSETS.

Cash value of shares, bonds, debentures and securities		$2,000 00
Actual cash on hand at head office	$254 37	
Cash on deposit to the Company's credit, not drawn against, in Molson's Bank Agency at London	230 48	
		484 85
Cash in Agents' hands, acknowledged by them to be due, and considered good		2,721 53
Amount unpaid of assessments levied during 1888		555 44
" " " " in prior years (not extended)	$1,733 13	
Amount of notes, or due bills, less than one year overdue		1,043 66
" " " more " " (not extended)	$354 37	
Amount of premium notes in force after deducting all payments thereon and assessments levied	50,548 99	
Less premium notes given for re-insurance	2,574 00	
		47,974 99
Accrued interest		16 26
Bills receivable		289 73
Total assets		$55,086 46

LIABILITIES.

Amount of losses adjusted	$2,686 59
" " resisted	1,050 00
" required to re-insure all outstanding risks taken on the cash system, being 50 per cent. of gross premiums on all cash system policies in force at 31st December, 1888	6,530 00
" of borrowed money	14,792 28
Total liabilities	$25,058 87

Receipts.

Cash at head office, as per last statement (not extended).....	$462 47	
Cash received as first payments, being part payments of premium notes..		$5,260 40
" for assessments levied in 1888.....		5,210 76
" " " years prior to 1888.....		299 19
" for premiums on cash system		6,420 00
" for interest.....		222 02
" fees, extra risks, etc		97 61
" money borrowed		11,792 28
" re-insurance		1,642 92
Total receipts.....		$30,945 18

Expenditure.

Expenses of Management :

Amount paid to agents for commission.....	$3,013 56
" for law costs.....	661 62
" fuel and light.....	36 03
" statutory assessment, license, etc.....	98 72
" printing, stationery and advertising.....	221 77
" rent and taxes	167 78
" salaries, directors' and auditors' fees.....	2,169 68
" travelling expenses.....	135 10
" postage, telegrams and express.....	233 47
" interest.....	739 08
" investigation and adjustment of claims.....	200 00
Total expenses of management	$7,676 81

Miscellaneous Payments :

Cash paid for losses which occurred prior to 1888.....	$7,062 89	
" " " during 1888	14,878 06	
		21,940 95
" for re-insurances.....		649 16
" for rebate, abatement and returned premiums		121 42
" for incidentals.....		534 46
Total expenses.....		$30,922 80

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Two years.	Three years.	Total.
Insurance.	$ c.	$ c.	$ c.	$ c.
Mutual	4,000 00	1,175 00	1,364,939 00	1,370,114 00
Cash	114,041 00	7,806 00	1,514,940 00	1,636,787 00
Total	118,041 00	8,981 00	2,879,879 00	3,006,901 00
Re-insurance.				
Mutual				24,725 00
Cash				7,938 00
Total				32,663 00
Net risks carried by Company, December 31st, 1888				2,974;238 00

MOVEMENT IN RISKS.

System of Insurance.	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,532	1,260,898 00
" new and renewed during 1888	600	488,638 00
Gross number during 1888	2,132	1,749,536 00
Less expired and cancelled in 1888	433	379,422 00
Net risks in force on mutual system 31st December, 1888	1,699	1,370,114 00
Cash System.		
Policies in force 31st December, 1887	2,815	1,626,698 00
" new and renewed during 1888	971	618,843 00
Gross number during 1888	3,786	2,245,541 00
Less expired and cancelled	993	608,754 00
Net risks in force on cash system 31st December, 1888	2,793	1,636,787 00

CLASSIFICATION OF RISKS:

General Fire Insurance Business.

PREMIUM NOTES AND UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	66,275 16	66,275 16
Amount of all premium notes, after deducting all payments thereon and assessments levied	50,548 99	50,548 99
Amount of premium notes received during the year 1888	34,023 61	34,023 61
Residue of premium notes given for re-insurance		2,574 00

COUNTY OF PERTH MUTUAL FIRE INSURANCE COMPANY.

Commenced business 1st December, 1863.

President—James Trow, M.P. | *Secretary*—Chas. Packert.

Deposited with Treasurer of Ontario, $6,000.

Unassessed premium note capital, $106,009.95.

Assets.

Cash value of mortgages	$ 4,000 00	
Value of debentures	23,500 00	
		$27,500 00
Actual cash on deposit in Canadian Bank of Commerce, Stratford		2,808 25
Cash in agents' hands acknowledged by them to be due, and considered good		1,027 23
Amount unpaid of assessments levied during 1888		3,235 55
" of short date notes, or due bills, less than one year overdue		972 84
" of premium notes in force, after deducting all payments thereon and assessments levied	$106,009 95	
" less residue of premium notes given for re-insurance.	7,316 57	
		98,693 38
" of interest accrued		737 20
" due by other companies		121 57
Total assets		$135,096 02

Liabilities.

Amount unpaid of losses adjusted	$ 265 00	
" " resisted	1,884 99	
" " reported	100 00	
		$2,249 99
" required to re-insure all outstanding risks taken on the cash system, being fifty per cent. of gross premiums on all cash system policies in force at 31st December, 1888		8,555 91
" of sundries		7 64
Total liabilities		$10,813 54

Receipts.

Cash at head office, as per last statement (not extended)	$1,441 77	
Cash received as first payments, being part payment of premium notes		$12,180 91
" for assessments levied in 1888		12,123 70
" " " years prior to 1888		2,247 04
" for premiums on cash system		12,321 29
" for interest		1,290 89
" from extra premiums, etc		197 95
" debentures matured		1,000 00
" for re-insurance		1,052 54
" for rebate		164 08
" for loans repaid		10,000 00
" from other sources		2,276 15
Total receipts		$54,854 55

EXPENDITURE.

Expenses of Management :

Amount paid for	commission to agents	$6,436 24
"	law costs	70 00
"	fuel and light	23 10
"	investigation and adjustment of claims	386 58
"	statutory assessment and license	151 97
"	printing, stationery and advertising	578 04
"	rent and taxes	160 00
"	salaries, directors' and auditors' fees	2,223 66
"	travelling expenses	120 80
"	postage, telegrams and express	420 52
"	other expenses	187 69
	Total expenses of management	$10,758 60

Miscellaneous Payments :

Cash paid for losses which occurred during 1888		$ 2,507 01	
" " " prior to 1888		24,446 88	
			26,953 89
"	re-insurance		2,624 72
"	rebate		1,776 13
"	sundry accounts		1,025 83
"	office furniture		11 50
"	Goad's plans		105 00
"	debentures and other security		11,240 45
	Total expenditure		$54,496 12

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Three years.	Total.
	$ c.	$ c.	$ c.
Mutual	110,550 00	3,763,830 00	3,874,380 00
Cash	401,223 00	1,206,593 00	1,607,816 00
Total at risk	511,773 00	4,970,423 00	5,482,196 00
Re-insured Mutual system		169,125 00	169,125 00
" Cash system	6,500 00	19,366 66	25,866 66
Net risks at 31st December, 1888	505,273 00	4,781,931 34	5,287,204 34

MOVEMENT IN RISKS.

System of Insurance.	Number.	Amount.
Mutual System.		$ c.
Policies in force 31st December, 1887	2,927	3,683,090 00
" new and renewed during 1888	1,200	1,557,420 00
Gross number during 1888	4,127	5,240,510 00
Less expired and cancelled in 1888	1,085	1,366,130 00
Net risks in force on mutual system 31st December, 1888	3,042	3,874,380 00
Cash System.		
Policies in force 31st December, 1887	1,912	1,441,837 00
" new and renewed during 1888	1,136	1,018,680 00
Gross number during 1888	3,048	2,460,517 00
Less expired and cancelled in 1888	934	852,701 00
Net risks in force on cash system 31st December, 1888	2,114	1,607,816 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OF UNDERTAKINGS

On Policies in force 31st December, 1888.

	One year risks.	Three year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by company, and legally liable to assessment	5,362 73	150,088 89	155,451 62
Amount of all premium notes, after deducting all payments thereon and assessments levied	3,413 98	102,595 97	106,009 95
Amount of premium notes received during the year 1888	6,675 03	56,953 69	63,628 72
Residue of premium notes given for re-insurance		7,316 57	7,316 57

WATERLOO MUTUAL LIFE INSURANCE COMPANY.

HEAD OFFICE, WATERLOO.

Commenced business 7th March, 1863.

President—CHAS. HENDRY. | *Secretary*—C. M. TAYLOR.

Unassessed premium note capital, $169,401.26.

Deposited with Government of Ontario, $13,585 par value.

ASSETS.

Cash value of real estate, less incumbrances		$14,960 02
Cash value of mortgages		38,220 00
" shares, bonds, debentures and securities		12,454 00
Cash on deposit to the Company's credit, not drawn against, in the Molson's Bank, Waterloo	$1,481 84	
Cash on deposit to the Company's credit, receipt held by Government in same bank	2,595 00	
Cash on hand at head office	823 05	
		4,899 89
Cash in agents' hands, acknowledged by them to be due, and considered good		1,611 53
Amount unpaid of assessments levied during 1888		2,077 73
" of short date notes or due bills, less than one year overdue		3,285 69
" of premium notes in force, after deducting all payments thereon and assessments levied	$169,401 26	
Less residue of premium notes given for re-insurance	5,131 76	
		164,269 50
Amount of interest due and accrued		2,573 10
Rent		58 33
Total assets		$244,409 79

LIABILITIES.

Amount of losses resisted	$ 700 00	
Amount of losses supposed	6,593 51	
		7,293 51
Amount required to re-insure all outstanding risks taken on the cash system, being 50 per cent. of gross premiums on all cash system policies in force at 31st December, 1888		41,109 08
Total liabilities		$48,402 59

RECEIPTS.

Cash at head office as per last statement (not extended)	$118 58	
Cash received for matured municipal debenture		$ 925 00
" as first payments, being part payment of premium notes		19,730 66
" for assessments of 1888		35,024 31
" " years prior to 1888		2,187 27
" premiums on cash system		47,592 19
" for interest		2,934 00
" transfer fees and additional premiums		584 23
" reinsurance policies		992 75
" rent		611 67
" loan		11,000 00
Total receipts		$121,582 08

EXPENDITURE.

Expenses of Management :

Amount paid for commission to agents	$15,774 14
" law costs	450 00
" fuel and light	238 07
" investigation and adjustment of claims	1,000 99
" statutory assessment, license, etc	302 88
" printing, stationery and advertising	1,390 20
" taxes and rent	117 00
" salaries, directors' and auditors' fees	7,626 70
" postage, telegrams and express	885 98
" other expenses	886 89
" interest	258 73
Total expenses of management	$28,931 58

Miscellaneous payments :

Cash paid for losses which occurred before 1888	$ 6,984 11	
" " " during 1888	70,416 74	
		77,400 85
" re-insurance		4,080 84
" rebate, abatement and returned premiums		3,694 73
" loan repaid		11,000 00
" bonus to agents		1,620 19
Total expenditure		$126,728 19

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Three years.	Total.
Insurance.	$ c.	$ c.	$ c.
Mutual		3,887,206 67	3,887,206 67
Cash	1,179,055 00	7,125,576 74	8,304,631 74
Total	1,179,055 00	11,012,783 41	12,191,838 41
Re-insurance.			
Mutual		107,600 00	107,600 00
Cash	130,100 00	106,650 00	236,750 00
Total re-insurance	130,100 00	214,250 00	344,350 00
Net risks carried by Company at December 31st, 1888	1,048,955 00	11,798,533 41	11,847,488 41

MOVEMENT IN RISKS.

	Number.	Amount.
Mutual System.		$ c.
Policies in force 31st December, 1887	2,756	3,864,743 67
" new and renewed during 1888	1,025	1,415,248 00
Gross number during 1888	3,781	5,279,991 67
Less expired and cancelled in 1888	1,069	1,392,785 00
Net risks in force on mutual system, 31st December, 1888	2,712	3,887,206 67
Cash System.		
Policies in force 31st December, 1887	9,871	7,810,869 74
" new and renewed during 1888	4,478	4,507,081 00
Gross number during 1888	14,349	12,317,950 74
Less expired and cancelled in 1888	3,896	4,013,319 00
Net risks in force on cash system 31st December, 1888	10,453	8,304,631 74

CLASSIFICATION OF RISKS:

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	324,495 31	324,495 31
Amount of all premium notes, after deducting all payments thereon and assessments levied	169,401 26	169,401 26
Amount of premium notes received during the year 1888	97,468 84	97,468 84
Residue of premium notes given for re-insurance	5,131 76	5,131 76

RECAPITULATION

OF

ASSETS, LIABILITIES, INCOME AND EXPENDITURE

OF ALL

CASH MUTUAL FIRE INSURANCE COMPANIES.

CASH-MUTUAL FIRE INSURANCE COMPANIES.

ASSETS FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Value of Real Estate less Encumbrances.	Mortgages, Bonds, Debentures or other Securities.	Interest due and accrued.	Cash at Head Office and Bank Balances.	Agents' Balances.	Due on Assessments of 1888.	Short date notes or due bills.	Unassessed premium notes.	All other Assets.	Total Assets.	Subscribed Capital Stock Uncalled.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
City Mutual, of London	.....	.....	337 18	11,110 61	1,770 34	.....	.....	33,549 16	.....	46,767 29	.....
Fire Insurance Exchange	.....	5,000 00	.....	8,821 89	.....	.....	.....	10,330 42	1,337 71	25,490 02	200,000 00
Gore District Mutual	.....	70,300 00	2,098 27	34,653 83	3,598 95	57 12	.....	145,953 18	.....	256,661 35	.....
Hand-in-Hand	.....	28,848 33	587 82	18,533 73	3,176 42	.....	.....	12,211 24	1,113 40	64,470 94	80,000 00
Millers' and Manufacturers'	.....	18,000 00	.....	16,364 42	.....	.....	1,465 03	25,604 99	4,633 17	66,067 52	112,500 00
Ontario Mutual	.....	2,000 00	16 26	484 85	2,721 53	555 44	1,043 66	47,974 99	289 73	55,086 46	.....
Perth County Mutual	.....	27,500 00	737 20	2,808 25	1,027 23	3,235 55	972 84	98,693 38	121 57	135,096 02	.....
Waterloo Mutual	14,960 02	50,674 00	.....	4,899 89	1,611 53	2,077 73	3,285 69	164,269 50	2,631 43	244,409 79	.....
	14,960 02	202,322 33	3,776 73	97,677 47	13,906 00	5,925 84	6,767 22	538,586 77	10,127 01	894,049 39	.....

Government Deposits as follow :—City Mutual, $10,000.00 ; Gore District Mutual, $20,000.00 ; Hand-in-Hand, $10,000.00 ; Millers' and Manufacturers', $10,000.00 ; Ontario Mutual, $2,000.00 ; Perth County Mutual, $6,000.00 ; Waterloo Mutual, $13,585.00 ; Fire Insurance Exchange, $5,000.00 cash and Subscribed Guarantee Capital, $200,000.00.

CASH-MUTUAL FIRE INSURANCE COMPANIES.

LIABILITIES FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Losses unpaid at December 31st, 1888, though subsequently discharged.	Unearned Premiums on Cash System Risks, calculated at 50 per cent. of Gross Premiums.	All other Liabilities.	Total Liabilities.	Number of Policies.	Amount at Risk.
	$ c.	$ c.	$ c.	$ c		$ c.
City Mutual, of London	314 50	4,680 21	6,000 00	10,994 71	1,160	1,203,363 00
Fire Insurance Exchange		1,412 95	2,263 00	3,675 95	321	1,491,099 34
Gore District Mutual	4,367 45	23,473 15		27,840 60	6,664	7,412,898 86
Hand-in-Hand	16 02	5,278 33	3,968 60	9,262 95	840	2,118,918 00
Millers' and Manufacturers'			3,535 09	3,535 09	579	2,111,725 00
Ontario Mutual	3,736 59	6,530 00	14,792 28	25,058 87	4,492	3,006,901 00
Perth County Mutual	2,249 99	8,555 91	7 64	10,813 54	5,156	5,482,196 00
Waterloo Mutual	7,293 51	41,109 08		48,402 59	13,165	12,191,838 41
	17,978 06	91,039 63	30,566 61	139,584 30	32,377	35,018,939 61

CASH—MUTUAL FIRE INSURANCE COMPANIES.

RECEIPTS FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	First payments on Premium Notes.	Assessments of 1888.	Assessments due before 1888.	Premiums on Cash System.	Interest.	Fees, Licenses, and Extra Premiums.	Sale of Securities.	Other Sources.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
City Mutual, of London	5,627 57	5,115 83		9,091 85	21 37	23 84	52 32	289 07	20,221 85
Fire Insurance Exchange	12,087 31			3,150 72	494 19				15,732 22
Gore District Mutual	17,468 66	28,853 45	2,580 69	33,914 21	5,325 03	372 01	19,875 00	6,952 06	115,341 11
Hand-in-Hand	14,765 77			12,114 91	1,800 18			2,143 60	30,824 46
Millers' and Manufacturers'	40,380 48				1,317 11			1,940 34	43,637 93
Ontario Mutual	5,260 40	5,210 76	299 19	6,420 00	222 02	97 61		13,435 20	30,945 18
Perth County Mutual	12,180 91	12,123 70	2,247 04	12,321 29	1,290 89	197 95	11,000 00	3,492 77	54,854 55
Waterloo Mutual	19,730 66	35,024 31	2,187 27	47,592 19	2,934 00	584 23	925 00	12,604 42	121,582 08
	127,501 76	86,328 05	7,314 19	124,605 17	13,404 79	1,275 64	31,852 32	40,857 46	433,139 38

CASH-MUTUAL FIRE INSURANCE COMPANIES.

EXPENDITURES FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Investment.	Amount paid for Losses.	Commission and Bonus to Agents.	Costs in Law and Equity.	Reinsurance.	Rebate and Returned Premiums.	Interest.	Statutory Assessments, also Fees for Licenses and Certificates.	Salaries and General Expenses Account.	Dividends and all other Payments.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
City Mutual, of London		10,218 91	3,062 27	67 48	1,482 08	325 18	376 30	48 98	3,828 09	1,000 00	20,409 29
Fire Insurance Exchange		6,886 36			1,800 72	377 63		57 15	3,539 94	460 91	13,122 71
Gore District Mutual	6,450 00	63,159 73	14,130 96	126 27	7,125 75	2,215 88		202 44	9,185 79	132 95	102,729 77
Hand-in-Hand		10,730 50			5,075 33	1,221 27		83 13	3,563 21	2,000 00	22,673 44
Millers' and Manufacturers'		12,123 06			13,675 90	1,668 38		116 36	6,959 17	1,225 00	35,767 87
Ontario Mutual		21,940 95	3,013 56	661 62	649 16	121 42	739 08	98 72	3,698 29		30,922 80
Perth County Mutual	11,240 45	26,953 89	6,436 24	70 00	2,624 72	1,776 13		151 97	4,100 39	1,142 33	54,496 12
Waterloo Mutual		77,400 85	17,394 33	450 00	4,080 84	3,694 73	258 73	302 88	12,145 83	11,000 00	126,728 19
	17,690 45	229,414 25	44,037 36	1,375 37	36,514 50	11,400 62	1,374 11	1,061 63	47,020 71	16,961 19	406,850 19

STRICTLY MUTUAL FIRE INSURANCE COMPANIES.

YEAR ENDING 31ST DECEMBER, 1888.

NOTE—To avoid delay in publication, the Companies comprised in this class are not arranged in alphabetical order ; but the statement of any company can be readily found by referring to the Index-Register at the end of the volume.

STRICTLY MUTUAL FIRE INSURANCE COMPANIES.

NOTE.—To avoid delay in publication, the Companies comprised in this class are not arranged in alphabetical order; but the statement of any Company can be readily found by referring to the Index-Register at the end of the volume.

ECONOMICAL MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, BERLIN.

Commenced business 28th October, 1871.

President—HUGO KRANZ. | *Secretary*—WM. OELSCHLAGER.

Unassessed premium note capital, $163,304 00

ASSETS.

Cash value of mortgages on real estate		$19,700 00
Cash value of real estate		14,999 00
Cash on deposit to Company's credit in Canadian Bank of Commerce		6,638 09
Cash in Agent's hands, acknowledged by them to be due, and considered good		179 31
Amount unpaid of assessments levied during 1888		1,525 62
" " " in prior years (not extended)	$128 75	
Amount of short date notes, or due bills, less than one year overdue		819 59
" premium notes in force after deducting all payments thereon and assessments levied	$163,304 00	
Less premium notes given for re-insurance	2,226 48	
		161,077 52
Amount of interest due and accrued		1,015 23
Total assets		$205,954 36

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$10,941 42	
Cash received as first payments, being part payment of premium notes		$14,565 61
" for assessments levied in 1888		16,189 79
" for assessments levied in years prior to 1888		1,340 96
" for interest		1,667 20
" for transfer fees		119 00
Total receipts		$33,882 56

EXPENDITURE.

Expenses of Management.

Amount paid for commission to agents		$3,814 77
" statutory assessment		103 80
" printing, stationery and advertising		429 81
" salaries, directors' and auditors' fees		3,763 20
" postage, telegrams and express		309 74
" fuel and light		73 14
" rent and taxes		120 00
" travelling expenses		651 12
" costs of arbitration		560 43
" other expenses		64 35
Expenses of Management		$9,890 36

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	$15,741 60	
" " " prior to 1888	1,902 00	
		17,643 60
" re insurances		372 52
" rebate, abatement and returned premiums		330 41
Total expenditure		$28,236 89

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	4,330,712 00	4,330,712 00
Re-insured	33,950 00	33,950 00
Net risks actually carried by Company	4,296,762 00	4,296,762 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	4,064	4,151,107 00
" new and renewed during 1888	1,890	1,847,340 00
Gross number during 1888	5,954	5,998,447 00
Less expired and cancelled in 1888	1,628	1,667,735 00
Net risks in force on mutual system 31st December, 1888	4,326	4,330,712 00

BUSINESS TRANSACTED:

General Fire Insurance.

PREMIUM NOTES ON UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.		Total.	
	$	c.	$	c.
Amount of face of all premium notes held by Company, and legally liable to assessment	228,921	00	228,921	00
Amount of all premium notes, after deducting all payments thereon and assessments levied	163,304	00	163,304	00
Amount of premium notes received during the year 1888	95,695	00	95,695	00
Residue of premium notes given for re-insurance	2,226	48	2,226	48

THE HURON AND MIDDLESEX MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, LONDON.

Commenced business 17th December, 1878.

President—L. C. LEONARD. | *Secretary*—JOHN STEPHENSON.

Unassessed premium note capital, $97,094.14.

ASSETS.

Actual cash on hand at head office	$165 21	
" in agency of Bank of British North America, London	2,006 71	
		$2,171 92
Cash in agents' hands, acknowledged by them to be due and considered good		1,653 19
Amount unpaid of assessments levied during 1888		1,510 21
" " " before 1888 (not extended)	$334 20	
" short date notes or due bills less than one year overdue		1,919 46
Amount of short date notes, or due bills, more than one year overdue (not extended)	$500 67	
" premium notes in force, after deducting all payments thereon and assessments levied	97,094 14	
" less residue of premium notes given for re-insurance	52 00	
		97,042 14
Total assets		$104,296 92

LIABILITIES.

Amount of losses adjusted	$3,848 25
" " supposed or reported	1,000 00
" loans from banks	4,800 00
" salaries unpaid	881 93
Total liabilities	$10,530 18

CASH RECEIPS.

Cash at head office, as per statement (not extended)	$278 42	
Cash received as first payments, being part payment of premium notes		$20,587 19
" for assessments levied in 1888		8,713 84
" " " in prior years		824 18
Carried forward		$30,125 21

Brought forward	$30,125 21
Cash received for interest	146 00
" from transfers and extra premiums	217 47
" from survey fees	87 56
" from rent	48 00
" money borrowed	1,648 77
Total receipts	$32,273 01

EXPENDITURE.

Expenses of Management :

Amount paid for commission to agents	$5,245 21
" fuel and light	17 40
" investigation and adjustment of claim	271 77
" interest	443 10
" statutory assessment	53 65
" printing, stationery and advertising	558 90
" rent and taxes	204 00
" salaries, directors' and auditors' fees	2,352 88
" travelling expenses	815 38
" postage, telegrams and express	272 19
" law costs	477 26
" mercantile agency	60 00
" incidental expenses	78 45
Expenses of management	$10,850 19

Miscellaneous Payments :

Cash paid for losses which occurred prior to 1888	$3,571 00	
" " during 1888	13,289 53	
		16,860 53
" re-insurance		126 38
" returned premiums		1,196 66
Total expenditure		$29,033 76

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Three years.	Total.
	$ c.	$ c.	$ c.
Mutual	298,479 00	2,219,582 00	2,518,061 00
Re-insured		2,500 00	2,500 00
Net risks carried by Company 31st December, 1888	298,479 00	2,217,082 00	2,515,561 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2,782	2,044,242 00
" new and renewed during 1888	1,813	1,467,019 00
Gross number during 1888	4,595	3,511,261 00
Less expired and cancelled in 1888	1,229	993,200 00
Net risks in force 31st December, 1888	3,366	2,518,061 00

BUSINESS TRANSACTED:

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December 1888.

——	One year risks.	Three year risks.	Total.
	$ c.	$ c.	$ c.
Face of premium notes held by Company and legally liable to assessment	14,016 13	128,841 39	142,857 52
Amount of all premium notes, December 31st, 1888, after deducting all payments thereon and assessments levied			97,094 14
Amount of premium notes received during the year 1888	12,135 59	75,976 56	88,112 15
Residue of premium notes given for re-insurance during the year 1888			21,896 76

NORTH BLENHEIM MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, CHESTERFIELD.

Commenced business 15th August, 1861.

President—JOSEPH PETTIGREW. | *Secretary*—GEO. MIDDLEMAS.

Unassessed premium note capital, $36,540.00.

ASSETS

Amount of cash on hand at Head Office	$495 24
" in Agent's hands	80 55
Amount of premium notes in force after deducting all payments thereon and assessments levied	36,540 00
Total assets	$37,115 79

LIABILITIES.—None.

RECEIPTS.

Cash received for membership fees	$116 17
" assessment levied in 1888	793 95
" advance payment	35
Total receipts	$910 47

EXPENDITURE.

Expenses of Management:

Amounts paid for printing, stationery and advertising	$ 6 50
" interest	16 00
" travelling expenses	4 50
" salaries, directors' and auditors' fees	69 50
" rent and taxes	8 75
" postage, telegrams and express	7 23
" statutory assessment	24 83
" fuel and light	2 00
Total expenses of management	$139 31
Cash paid for loss which occurred in 1888	23 40
" in repayment of loans	252 52
Total expenditure	$415 23

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	334,650 00	547,500 00	882,150 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	388	833,250 00
" new and renewed during 1888	107	232,650 00
Gross number during 1888	495	1,065,900 00
Less expired and cancelled in 1888	96	183,750 00
Net risks in force on mutual system 31st December, 1888	399	882,150 00

CLASSIFICATION OF RISKS :

Farm property exclusively.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	10,039 50	27,375 00	37,414 50
Amount of all premium notes, after deducting all payments thereon and assessments levied	9,721 55	26,818 45	36,540 00
Amount of premium notes received during the year 1888.	6,979 50	.....	6,979 50

HOPEWELL CREEK MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, NEW GERMANY.

Commencrd business 3d March, 1880.

President—JOSEPH SPRINGER. | *Secretary*—ANTON FRANK.

Unassessed premium note capital, $63,091.40.

ASSETS.

Actual cash in hand at head office	$1,410 58
Amount unpaid of assessments levied in 1888	256 00
" of premium notes in force, after deducting all payments thereon and assessments levied	63,091 40
Total assets	$64,757 98

LIABILITIES—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$334 96	
Cash received for assessments levied in 1888		$1,736 16
" for assessments levied in years prior to 1888		89 98
" as first payment or deposit, being part payment of premium notes		1 60
" for interest		6 20
Total receipts		$1.833 94

EXPENDITURE.

Expenses of Management:

Amount paid for investigation and adjustment of claims	$7 00
" printing, etc	43 41
" salaries, directors' and auditors' fees	208 00
" statutory assessment	33 14
" postage	33 12
" commission	39 50
" safe	64 65
Expeuses of management	$428 82

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	$335 00
Total expenditure	$763 82

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	1,307,828 00	1,307,828 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,005	1,182,538 00
" new and renewed during 1888	291	319,781 00
Gross number during 1888	1,296	1,502,319 00
Less expired and cancelled in 1888	182	194,491 00
Net risks in force on mutual system, 31st December, 1888	1,114	1,307,828 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	74,346 85	74,346 85
Amount of all premium notes, after deducting all payments thereon and assessments levied	63,091 40	63,091 40
Amount of premium notes during the year 1888	17,061 27	17,061 27

NORTH AND SOUTH DORCHESTER MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, HARRIETSVILLE.

Commenced business 8th Jannary, 1869.

President—WILLIAM WOODS. | *Secretary*—FRANCIS KUNZ.

Unassessed premium capital, $17,850.

ASSETS.

Cash on hand at head office	$41 98	
Cash on deposit, to the Company's credit, not drawn against, in the Agricultural Savings and Loan Company, London. ...	1,181 93	
		$1,223 91
Amount unpaid of assessments levied during 1888		95 14
" of premium notes in force, after deducting all payments thereon and assessments levied		17,850 08
Total assets		$19,169 13

LIABILITIES.

Due directors and auditors	$84 00
Total liabilities	$84 00

RECEIPTS.

Cash at head office. as per last statement (not extended)	$1,978 11	
Cash received as first payments, being part of premium notes		$412 31
" for assessments levied in 1888		1,756 99
" " " before 1888		4 60
" for interest		101 73
Total receipts		$2,275 63

EXPENDITURE.

Expenses of Management:	
Amount paid for printing and stationery	$6 85
" " statutory assessment of certificate	20 90
" " rent	5 00
" " salaries and auditors fees	242 00
" " postage	19 00
" " bank charge	0 25
" " travelling expenses	6 30
Total expenses of management	310 30
Miscellaneous Payments:	
Cash paid for losses which occurred during 1888	2,684 74
" " incidental	2 00
" " rebate and returned premium	32 79
Total expenditure	$3,029 83

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	405,780 00	731,515 00	1,137,295 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	739	1,088,351 00
" new and renewed during 1888	196	271,580 00
Gross number during 1888	935	1,359,931 00
Less expired or cancelled in 1888	161	222,636 00
Net risks in force on mutual system 31st December, 1888	774	1,137,295 00

CLASSIFICATION OF RISKS.

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1887.

——	Three year risk.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	12,131 40	13,275 45	25,406 85
Amount of all premium notes, after deducting all payments thereon and assessment levied	10,492 55	7,357 53	17,850 08
Amount of premium notes received during the year 1888	8,147 40	.....	8,147 40

LENNOX AND ADDINGTON MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, NAPANEE.

Commenced business 17th August, 1876.

President—J. B. AYLESWORTH. | *Secretary*—NATHAN A. CATON

Unassessed premium note capital, $12,574 55.

ASSETS.

Actual cash on hand at head office		$70 78
Amount unpaid of assessments levied during 1888		205 61
" " in prior years (not extended)	$333 82	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		12,574 55
Amount of survey notes		25 00
Total assets		$12,875 94

LIABILITIES.

Amount of borrowed money	$500 00
Total liabilities	$500 00

RECEIPTS.

Cash at Head Office, as per last statement (not extended)	$105 25	
" received for assessments levied in 1888		$732 85
" " " " years prior to 1888		139 04
" borrowed		400 00
" received for survey notes		35 40
Total receipts		$1,307 29

EXPENDITURE.

Expenses of Management:

Amount paid for commission and agents' fees	$403 84
" statutory assessment and license fee	13 72
" printing and stationery	33 95
" salaries, directors' and auditors' fees	284 33
" postage, etc	28 00
" interest	18 71
" travelling expenses	3 00
" incidental expenses	57 39
Total expenses of management	$842 94

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	$73 40	
" " " prior to 1888	25 42	
		$98 82
Payment of loans		400 00
Total expenditure		$1,341 76

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	474,586 00	474,586 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	382	366,375 00
" new and renewed during 1888	184	267,160 00
Gross number during 1888	566	633,535 00
Less expired and cancelled in 1888	171	158,949 00
Net risks in force on mutual system 31st December, 1888	395	474,586 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	14,130 13	14,130 13
Amount of all premium notes, after deducting all payments thereon, and assessments levied	12,574 55	12,574 55
Amount of premium notes received during the year 1888	8,211 43	8,211 43

HAY TOWNSHIP FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ZURICH.

Commenced business 3rd February, 1875.

President—JOHN TORRANCE. | *Secretary*—HENRY EILBER.

Unassessed premium note capital, $51,899.58.

ASSETS.

Cssh on hand at Head Office	$89 30	
" deposit in Molson's Bank, Exeter	700 00	
		$789 30
Amount of unpaid assessments levied during 1888		7 75
Amount of premium notes in force, after deducting all payments thereon and assessments levied		51,899 58
Total assets		$52,696 63

LIABILITIES.—None.

RECEIPTS.

Cash at Head Office as per last statement (not extended)	$66 65	
Cash received as first payments being part payment of premium notes		$212 25
" for assessments levied during 1888		2,611 72
" " " before 1888		14 73
" interest		33 02
Total receipts		$2,871 72

EXPENDITURE.

Expenses of Management:

Amount paid for commission		$138 20
" statutory assessment and license fee		50 00
" printing, stationery and advertising		89 70
" salaries, directors' and auditors' fees		159 70
" travelling expenses		43 60
" postage, telegrams and express		50 85
" investigation and adjustment of claims		29 75
" interest		2 80
" other expenses		3 15
Expenses of management		$567 75

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	$233 00	
" " " before 1888	1,248 32	
		1,481 32
" repayment of loan		100 00
Total expenditure		$2,149 07

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual System	699,845 00	1,255,347 00	1,955,192 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,382	1,890,917 00
" new and renewed during 1888	293	387,445 00
Gross number during 1888	1,675	2,278,362 00
Less expired and cancelled in 1888	251	323,170 00
Net risks in force on mutual system 31st December, 1888	1,424	1,955,192 00

CLASSIFICATION OF RISKS:

Isolated and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years Risks.
	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	55,531 99
Amount of all premium notes, after deducting all payments thereon and assessments levied.	51,899 58
Amount of premium notes received during the year 1888	12,196 60

PUSLINCH MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ABERFOYLE.

Commenced business May, 1859.

President—DUNCAN MCFARLANE. | *Secretary*—JAMES SCOTT.

Unassessed premium note capital, $10,786.22.

ASSETS.

Cash on hand at head office	$ 21 22	
Cash on deposit to Company's credit in Bank of Commerce, Guelph	278 28	
		$299 50
Amount unpaid of assessments levied before 1888 (not extended)	$30 38	
Amount of premium notes in force, after deducting all payments thereon and assessments levied	10,786 22	
Less residue of premium notes given for reinsurance	28 08	
		10,758 14
Total assets		$11,057 64

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$195 93	
Cash received for membership fees, not being part payment of premium notes		$4 00
Cash received at first payments, being part payment of premium notes		155 63
" for assessments levied in 1888		24 36
Total receipts		$183 99

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment and license fee	$16 30
" printing, stationery and advertising	11 95
" salaries, directors' and auditors' fees	4 00
" postage, telegrams and express	4 25
Total expenses of management	$36 50
Amount paid for losses which occurred during 1888	20 00
" reinsurance	3 12
" repaid secretary	20 80
Total expenditure	$80 42

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	481,710 00	481,710 00
Amount carried by Company 31st December, 1888	481,710 00	481,710 00
Re-insured	3,000 00	3,000 00
Net risks carried by Company 31st December, 1888	478,710 00	478,710 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	258	474,990 00
" new and renewed during 1888	88	165,940 00
Gross number during 1888	346	640,930 00
Less expired or cancelled in 1888	87	153,995 00
Net risks in force 31st December, 1888	259	486,935 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	12,151 80	12,151 80
Amount of all premium notes, after deducting all payments thereon and assessments levied	10,786 22	10,786 22
t of premium notes received during the year 1888	4,978 20	4,978 20
of premium notes given for re-insurance	28 08	28 08

SALTFLEET AND BINBROOK MUTUAL FIRE INSURANCE COMPANY,

HEAD OFFICE, ELFRIDA.

Commenced business 30th July, 1880.

President—A. D. Lee. | *Secretary*—Jno. C. Harris.

Unassessed premium note capital, $11,318.35.

Assets.

Actual cash on hand at head office		$346 85
Amount of assessments which were levied during 1888		23 01
" unpaid of assessments levied before 1888 (not extended).	$23 41	
" of premium notes in force, after deducting all payments thereon and assessments levied		11,318 35
Total assets		$11,688 21

Liabilities.

Amount due directors	$59 65
" for printing, etc	11 25
Total liabilities	$70 90

Receipts.

Cash at head office, as per last statement (not extended)	$229 99	
Cash received for assessments which were levied in 1888		391 43
" " " before 1888		79 61
Cash received for carpenters risk		80
Total receipts		$471 84

Expenditure.

Expenses of Management :

Amount paid to agents for fees and commission		$8 00
" for statutory assessment and license fee		14 19
" printing, stationery and advertising		36 50
" salaries, directors' and auditors' fees		127 30
" postage and stationery		13 20
" investigation of claims		2 00
" sundries		3 00
Total expenses of management		$204 19

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	$15 00	
" " before 1888	135 79	
		150 79
Total expenditure		$354 98

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	430,460 00	430,460 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31st, 1887	306	386,122 00
" new and renewed during 1888	106	148,235 00
Gross number during 1888	412	534,357 00
Less expired and cancelled in 1888	89	103,897 00
Net risks in force 31st December, 1888	323	430,460 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	13,475 51	13,475 51
Amount of all premium notes after deducting all payments thereon, and assessments levied	11,318 35	11,318 35
Amount of premium notes received during the year 1888	6,523 11	6,523 11

THE MUTUAL FIRE INSURANCE COMPANY OF THE COUNTY OF WELLINGTON.

HEAD OFFICE, GUELPH.

Commenced business September, 1840.

President—FRED. W. STONE. | *Secretary*—CHARLES DAVIDSON.

Unassessed premium note capital, $367,495.20.

ASSETS.

Cash on hand at head office	$3,350 35	
" deposit to Company's credit in Bank of Commerce, Guelph	9,468 39	$12,818 74
Cash in Agents' hands acknowledged by them to be due and considered good		889 78
Amount unpaid of assessments levied during 1888		8,268 89
" " " " in prior years (not extended)	$138 84	
" unpaid due bills less than one year overdue		1,875 72
" of premium notes in force, after deducting all payments thereon and assessments levied		367,495 20
Total assets		$391,348 33

LIABILITIES.

Amount of losses adjusted	$1,945 85
" loan	2,701 19
" unpaid account	21 86
Total liabilities	$4,668 90

RECEIPTS.

Cash at head office, as per last statement (not extended)	$1,049 16	
" received as first payments, being part payment of premium notes		$11,682 21
" " for assessments levied in 1888		35,040 25
" " " " years prior to 1888		1,391 00
" " from interest		294 36
" " from promissory notes, etc.		191 61
" " from rent		100 00
" " from carpenters' risks $70.32 and fees $75.34		145 66
" " from other sources		845 12
Total receipts		$49,690 21

EXPENDITURE.

Expenses of Management:		
Amount paid for commission to agents		$5,167 64
" law costs		140 21
" fuel and light		93 71
" investigation and adjustment of claims		980 26
" statutory assessment and license fee		96 38
" printing, stationery and advertising		602 75
" rent and taxes		291 50
" salaries, directors' and auditors' fees		4,272 51
" travelling expenses		51 80
" postage, telegrams and express		547 05
Expenses of management		$12,243 81
Miscellaneous Payments:		
Cash paid for losses which occurred during 1888	$ 108 43	
" " " prior to 1888	39,990 62	
		40,099 05
" rebate, abatements and returned premiums		962 89
" office furniture, etc.		176 90
Total Expenditure		$53,482 65

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three y	Total.
	$ c.	$ c.
Mutual	3,914,277 50	3,914,277 50

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2979	3,839,662 50
" new and renewed during 1888	1184	1,560,875 00
Gross number and amount in 1888	4163	5,400,537 50
Less expired and cancelled in 1888	1111	1,486,260 00
Net risks in force on mutual system 31st December, 1888	3052	3,914,277 50

BUSINESS TRANSACTED BY COMPANY:

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

———	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	444,297 67	444,297 67
Amount of all premium notes, after deducting all payments thereon and assessments levied	367,495 20	367,495 20
Amount of premium notes received during the year 1888	186,160 67	186,160 67

CANADIAN MILLERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, HAMILTON.

Commenced business 20th September, 1878.

President—DAVID GOLDIE. | *Secretary*—SENECA JONES.

Unassessed premium note capital, $45,805.90.

ASSETS.

Cash value of mortgages		$11,300 00
Actual cash on hand at head office	$79 45	
Cash on deposit to the Company's credit, not drawn against, in Bank of Hamilton, at Hamilton	9,671 18	
		9,750 63
Amount of premium notes in force, after deducting all payments thereon and assessments levied	45,805 90	
Less residue of premium notes given by Company for re-insurance	2,258 60	
		43,547 30
Amount unpaid of assessments levied during 1888	274 00	
" " first payments "	241 00	
		515 00
" " accrued interest		223 94
Total assets		$65,336 87

LIABILITIES—None.

RECEIPTS.

Cash at head office and in bank, as per last statement (not extended)	$13,626 71	
Cash received as first payments, being part payment of premium notes		$5,981 60
" for assessments levied during 1888		7,973 90
" " " " before 1888		548 90
" interest		677 94
" carpenters' risks, transfer and other fees		67 60
" securities matured		900 00
Total receipts		$16,149 94

Expenditure.

Expenses of Management :

Amount paid for statutory assessment and license fee	$17 72
" printing, stationery and advertising	97 99
" salaries, directors' and auditors' fees	1,662 14
" travelling expenses	231 58
" postage, telegrams and express	59 80
" investigation and adjustment of claims	12 00
" office expenses	63 38
Total expenses of management	$2,144 61

Miscellaneous Payments :

Amount paid for losses which occurred during 1888	4,978 36
" re-insurance	625 40
" rebate	77 65
" mortgages	12,200 00
Total expenditure	$20,026 02

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Three years.	Total.
	$ c.	$ c.	$ c.
Mutual	5,000 00	595,550 00	600,550 00
" re-insured	4,000 00	24,950 00	28,950 00
Net risks carried by Company December 31st, 1888	1,000 00	570,600 00	571,600 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	211	534,400 00
" new and renewed during 1888	104	270,950 00
Gross number during 1888	315	805,350 00
Less expired and cancelled in 1888	91	204,800 00
Net risks in force 31st December, 1888	224	600,550 00

CLASSIFICATION OF RISKS:

The Company's business is exclusively confined to flouring mills, and their stocks and machinery.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Risks.		Total.
	One year.	Three years.	
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	570 00	70,720 50	71,290 50
Amount of all premium notes, after deducting all payments thereon and assessments levied	499 80	45,306 10	45,805 90
Amount of premium notes received during the year 1888	570 00	31,304 00	31,874 00
Residue of premium notes given for re-insurance	422 40	1,836 20	2,258 60

PEEL AND MARYBOROUGH MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, DRAYTON.

Commenced business 1st July, 1887.

President—CALEB LOWES, | *Secretary*—W. H. STUBBS.

Unassessed premium note capital, $6,855.67.

ASSETS.

Cash at Traders' Bank, Drayton	$141 16
Amount unpaid of assessment levied in 1888	42 41
Amount of premium notes in force, after deducting all payments thereon and assessments levied	6,855 67
Total assets	$7,039 24

LIABILITIES.—None.

RECEIPTS.

Cash in hand and in Traders' Bank as per last statement note extended	$119 32	
Cash received as first payments, being part payment of premium notes		$191 66
" for assessment levied in 1888		167 62
" " 1887		2 20
" transfer fees		50
" agents' fees		109 00
Total receipts		$470 98

EXPENDITURE.

Expenses of Management :

Amount paid for agents' fees	$109 00
" statutory assessment and license fee	7 63
" printing, stationery, advertising and postage	47 50
" salaries, directors' and auditors' fees	165 00
" rent	75
" interest	1 67
" travelling expenses	10 95
Expenses of management	$345 50

Miscellaneous Payments :

Cash paid for loan	100 00
" refund of assessment	3 64
Total expenditure	$449 14

CURRENCY OF RISKS.

Amount covered by policies in force 31st Dec., 1888.

System.	One year.	Two years.	Three years.	Total.
	$ c.	$ c.	$ c.	$ c.
Mutual System	2,300 00	200 00	237,880 00	240,380 00

MOVEMENT OF RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	98	110,335 00
" taken during 1888, new and renewed	131	136,645 00
Gross number and amount in force during 1888	229	246,980 00
Deduct expired and cancelled in 1888	5	6,600 00
Net risks in force 31st December, 1888	224	240,380 00

CLASSIFICATION OF RISKS:

Isolated and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	One year risks.	Two years risks.	Three years risks.	Total.
	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	23 00	4 00	7,372 32	7,399 32
Amount of all premium notes, after deducting all payments thereon and assessments levied				6,855 67
Amount of premium notes received during the year 1888				4,058 10

GUELPH TOWNSHIP MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, GUELPH TOWNSHIP, LOT 6, CON. 1, DIV. B.

Commenced business 16th February, 1860.

President—JOHN HOBSON, | *Secretary*—WM. WHITELAW.

Unassessed note capital, $22,552.45.

ASSETS.

Actual cash on hand at head office	$125 06
Amount of premium notes in force after deducting all payments thereon and assessments levied	22,552 45
Total assets	$22,677 51

LIABILITIES—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$1,013 82	
Cash received as first payments, being part payment of premium notes		$152 75
" for interest		16 61
Total receipts		$169 36

EXPENDITURE.

Expenses of Management:

Amount paid for law costs		$5 00
" statutory assessment and license fee		16 60
" printing, stationery and advertising		12 50
" salaries, directors' and auditors' fees		49 00
" postage, etc.		5 00
" travelling and other expenses		14 50
Expenses of management		$102 60

Miscellaneous Payments:

Cash paid for losses which occurred during 1887	$50 00	
" " " 1888	763 50	
		$813 50
" rebate, etc.		142 02
Total expenditure		$1,058 12

CURRENCY OF RISKS.

Amount covered by Policie in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	503,450 00	503,450 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	269	487,340 00
" new and renewed during 1888	84	166,400 00
Gross number and amount during 1888	353	653,740 00
Less expired and cancelled in 1888	78	150,290 00
Net risks in force 31st December, 1888	275	503,450 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	23,264 00	23,264 00
Amount of premium notes, after deducting all payments thereon and assessments levied	22,552 45	22,552 45
Amount of premium notes received during the year 1888	7,826 00	7,826 00

LOBO MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, COLDSTREAM.

Commenced business 11th August, 1882.

President—DANIEL STEEL. | *Secretary*—JACOB MARSH.

Unassessed premium note capital, $15,731.83.

ASSETS.

Cash on deposit to Company's credit, not drawn against, in Agricultural Savings and Loan Company at London		$932 60
Amount unpaid of Assessments levied in 1888		61 58
" of premium notes in force, after deducting all payments thereon and assessments levied		15,731 83
Total assets		$16,726 01

LIABILITIES.—None.

RECEIPTS.

Cash at Head Office, as per last statement, (not extended)	$1,052 36	
Cash received as first payments, being part payment of premium notes		$464 12
" for assessments levied in 1888		354 64
" " " before 1888		30 24
" interest		38 66
" carpenters' risk		90
Total receipts		$888 56

EXPENDITURE.

Expenses of Management :		
Amount paid for statutory assessment and license fee		$14 22
" printing and stationery		28 53
" salary and fees		98 25
" agents' commission		96 00
" investigation and adjustment of claims		6 50
" bank charges		13
Expenses of management		$243 63
Cash paid for losses which occurred during 1888	$682 00	
" rebate	82 69	
		764 69
Total expenditure		$1,008 32

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year.	Two years.	Three years.	Total.
	$ c.	$ c.	$ c.	$ c.
Mutual	1,600 00	400 00	427,946 00	429,946 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	311	387,287 00
" taken during 1888, new and renewed	177	228,665 00
Gross number and amount during 1888	488	615,952 00
Deduct expired and cancelled in 1888	147	186,006 00
Net risks in force on mutual system, 31st December, 1888	341	429,946 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Total.
	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	17,193 00
Amount of all premium notes, after deducting all payments thereon and assessment levied	15,731 83
Amount of premium notes received during the year 1888	9,145 80

NORTH DUMFRIES AND SOUTH WATERLOO FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, AYR.

Commenced business 15th May, 1856.

President—S. HALL. | *Secretary*—WM. DEANS.

Unassessed premium note capital, $172,150.58.

ASSETS.

Cash on deposit in Merchants Bank, Galt	$140 94	
Cash on hand at head office	862 15	
		$1,003 09
Amount unpaid of assessments levied during 1888		503 01
" of assessments levied before 1888 (not extended)	$105 33	
" of premium notes in force, after deducting all payments thereon and assessments levied		172,150 58
Total assets		$173,656 68

LIABILITIES.

Amount of claim resisted	$200 00
Total liabilities	$200 00

RECEIPTS.

Cash at head office, per last year statement (not extended)	$1,087 47	
Cash received for assessments levied in 1888		$5,939 40
" in years prior to 1888		220 34
" for interest		16 35
Total receipts		$6,176 09

EXPENDITURE.

Expenses of Management :

Amount paid for statutory assessment and license fee	$97 34
" printing, stationery and advertising	91 25
" rent and taxes	71 00
" salaries, directors' and auditors' fees	643 05
" postage, telegrams and express	40 70
" investigation and adjustment of claims	20 80
" law costs	57 55
Total expenses of management	$1,021 69

Miscellaneous Payments :

Cash paid for losses that occurred during 1888	5,229 78
" incidentals	9 00
Total expenditure	$6,260 47

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	1,439,200 00	2,580,134 00	4,019,334 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,666	3,879,949 00
" new and renewed during 1888	390	933,050 00
Gross number during 1888	2,056	4,812,999 00
Less expired and cancelled in 1888	337	793,665 00
Net risks in force on Mutual system, 31st December, 1888	1,719	4,019,334 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	62,624 96	122,780 25	185,405 21
Amount of all premium notes, after deducting all payments thereon and assessments levied	60,000 00	112,150 58	172,150 58
Amount of premium notes received during the year 1888	40,782 83		40,782 83

LONDON TOWNSHIP MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ARVA.

Commenced business May 27th, 1882.

President—EDWARD ROBERTS. | *Secretary*—ED. DANN.

Unassessed premium note capital, $17,214.52.

ASSETS.

Actual cash on hand at head office	$6 91	
Cash in Royal Standard Loan Company, London	1,840 01	
		$1,846 92
Amount unpaid of assessments levied during 1888		108 61
" " " " in prior years (not extended)	$3 24	
Amount of premium notes in force, after deducting all payments thereon and assessments levied	$17,214 52	
Less residue of premium notes given for re-insurance	15 75	
		17,198 77
Total assets		$19,154 30

LIABILITIES.—None.

RECEIPTS.

Cash on hand at head office (not extended)	$604 07	
" received for assessments levied in 1888		$1,438 03
" " " " before 1888		46 79
" " interest		67 66
" " from other sources		9 35
Total receipts		$1,561 83

EXPENDITURE.

Expenses of Management:

Amount paid for commission to agents	$92 50
" statutory assessment and license fee	22 92
" printing, stationery and advertising	26 80
" salaries, directors' and auditors' fees	150 75
" postage	13 00
Total expenses of management	$305 98
Cash paid for losses during 1888	13 00
Total expenditure	$318 98

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	689,477 00	93,936 00	783,413 00
Less re-insured	2,650 00		2,650 00
Net risks at 31st December, 1888	686,827 00	93,936 00	780,763 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	583	753,028 00
" taken during 1888, new and renewed	185	249,386 00
Gross number during 1888	768	1,002,414 00
Deduct expired and cancelled in 1888	182	219,001 00
Net risks in force 31st December, 1888	586	783,413 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS.

——	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	17,304 80	2,837 28	20,142 08
Amount of all premium notes on policies in force December 31st, 1888, after deducting all payments thereon and assessments levied			17,214 52
Amount of premium notes received during the year 1888	7,524 24		7,524 24
Residue of premium notes given for re-insurance	15 75		15 75

VICTORIA MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, HAMILTON.

Commenced business November, 1863.

President—Geo. H. Mills. | *Secretary*—W. D. Booker.

Unassessed premium note capital, $41,302.60.

Assets.

Cash on hand at head office	$ 340 70	
Cash on deposit in Bank of Hamilton	1,597 12	
		$1,937 82
Amount unpaid of assessments levied during 1888		901 62
" " " " before 1888 (not extended)	$1,110 64	
" of short date notes or due bills less than one year overdue		171 64
" " " " one year or more overdue (not extended)	$116 03	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		41,302 60
Due by W. W. Branch (not extended)	$3,500 00	
Total assets		$44,313 68

Liabilities.

Deposit for future assessments, etc	$81 65
Total liabilities	$81 65

Receipts.

Cash at head office, as per last statement (not extended)	$813 10	
Cash as first payments, being part payment of premium notes		$1,143 00
Cash received for assessments levied in 1888		3,250 99
" " " years prior to 1888		592 83
Cash received for interest		31 71
" carpenters' risks and transfer fees	$ 18 30	
" bills receivable	831 54	
" deposits for future assessments	57 18	
" sundries	61 34	
		968 36
Total receipts		$5,986 89

EXPENDITURE.

Expenses of Management :

Amount paid for commission	$588 51
" investigation and adjustment of claims	5 00
" legal expenses	
" printing, stationery and advertising	302 45
" rent and taxes	384 79
" salaries, directors' and auditors' fees	2,664 00
" postage, telegrams and express	69 79
" fuel and light	31 06
" statutory assessment and license fee	33 46
" other expenses	62 03
Total expenses of management	$4,141 09
Miscellaneous Payments :	
Cash paid for losses which occurred during 1888	714 83
" deposits applied	6 25
Total expenditure	$4,862 17

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	1,189,748 00	1,189,748 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c
Policies in force 31st December, 1887	973	1,195,718 00
" new and renewed during 1888	317	374,585 00
Gross number during 1888	1290	1,570,303 00
Less expired and cancelled in 1888	306	380,555 00
Net risks in force on mutual system 31st December, 1888	984	1,189,748 00

BUSINESS TRANSACTED :

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment...	52,634 58	52,634 58
Amount of all premium notes, after deducting all payments thereon and assessments levied	41,302 60	41,302 60
Amount of premium notes received during the year 1888	20,018 16	20,018 16

NORTH WATERLOO FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, WATERLOO.

Commenced business 1st August, 1874.

President—VALENTINE OTTERBEIN. | *Manager*—LEVI STAUFFER.

Unassessed premium note capital, $114,621.91.

ASSETS.

Cash on hand at head office		$381 98
Amount unpaid of assessments levied during 1888		316 98
" " " in prior years (not extended).	$129 19	
" of premium notes in force, after deducting all payments thereon and assessments levied		114,621 91
Total assets		$115,320 87

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$443 40	
Cash received for assessments levied in 1888		$2,105 64
" " " years prior to 1888		493 16
Cash borrowed		1,550 00
Total receipts		$4,148 80

EXPENDITURE.

Expenses of Management :

Amount paid for investigation and adjustment of claims	$9 00
" interest	32 15
" statutory assessment and license fee	63 32
" printing, stationery and advertising	75 38
" salaries, directors' and auditors' fees	527 00
" postage, telegrams and express	36 39
" rent and taxes	5 00
Expenses of management	$748 24

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	$1,076 50
" loans repaid	2,350 00
" incidentals	35 48
Total expenditure	$4,210 22

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	771,319 00	1,702,325 00	2,473,644 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,330	2,450,229 00
" new and renewed during 1888	270	469,565 00
Gross number during 1888	1,600	2,919,794 00
Less expired and cancelled in 1888	256	446,150 00
Net risks in force on mutual system December 31st, 1888	1,344	2,473,644 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	39,073 00	94,313 54	133,386 53
Amount of premium notes, after deducting all payments thereon and assessments levied	38,394 44	76,227 47	114,621 91
Amount of premium notes received during the year 1888	23,916 00	.....	23,916 00

SOUTH EASTHOPE FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, TAVISTOCK.

Commenced business 28th December, 1871.

President—WERNER YOUNGBLUT. | *Secretary*—ROBERT REID..

Unassessed premium note capital, $84,858.96.

ASSETS.

Actual cash on hand at head office	$102 53	
Cash on deposit to Company's credit in Bank of Commerce, Stratford	350 87	
		$453 40
Amount of assessments levied during 1888		56 14
Amount of premium notes in force, after deducting all payments thereon and assessments levied		84,858 96
Total assets		$85,368 50

LIABILITIES—None.

RECEIPTS.

Cash at head office and in bank, as at last statement (not extended)	$251 21	
Cash received for assessments levied in 1888		$2,141 65
" " " 1887		57 23
Total receipts		$2,198 88

EXPENDITURE.

Expenses of Management:

Amount paid for salaries, directors' and auditors' fees	$243 00
" statutory assessment and license fee	45 49
" printing, stationery and advertising	40 25
" postage, telegrams and express	46 10
" travelling expenses	14 00
" investigation of claims	7 00
" sundries	5 05
Expenses of Management	$400 89

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	1,595 80
Total expenditure	$1,996 69

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	627,645 00	1,185,325 00	1,812,970 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	900	1,701,205 00
" new and renewed during 1888	227	406,575 00
Gross number during 1888	1,127	2,107,780 00
Less expired and cancelled in 1888	176	294,810 00
Net risks in force on mutual system 31st December, 1888	951	1,812,970 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by the Company, and legally liable to assessment	31,382 25	59,266 25	90,648 50
Amount of all premium notes, after deducting all payments thereon and assessments levied	30,589 69	54,269 27	84,858 96
Amount of premium notes received during the year 1888	20,328 75		20,328 75

DOWNIE MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ST. PAULS.

Commenced business 21st April, 1884.

President—JAMES BALLANTYNE. | *Secretary*—PETER SMITH.

Unassessed premium note capital, $19,044.80.

ASSETS.

Cash on hand at head office	$183 01
Amount of assessment levied during 1888	22 04
" premium notes in force, after deducting all payments thereon and assessments levied	19,044 80
Total assets	$19,249 85

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$38 49	
Cash received for assessments levied during 1888		$280 10
" " prior to 1888		46 73
" interest		1 02
Total receipts		$327 85

EXPENDITURE.

Expenses of Management:	
Amount paid for fuel and light	$ 1 25
" interest	.....
" statutory assessment and license	18 12
" salaries, etc	51 00
" printing, stationery and advertising	12 73
" postage, telegrams and express, etc	8 58
" investigation of claims	8 00
Total expenses of management	$99 68
Amount paid for loss incurred in 1888	83 14
" of rebate	51
Total expenditure	$183 33

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	243,935 00	402,720 00	646,655 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31st, 1887	323	551,090 00
" taken during 1888	81	145,985 00
Gross number during 1888	404	697,075 00
Less expired and cancelled in 1888	31	50,420 00
Net risks in force on mutual system 31st December, 1888	373	646,655 00

CLASSIFICATION OF RISKS:

Isolated and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS.

——	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by the Company, and legally liable to assessment	7,709 45	13,383 90	21,093 35
Amount of all premium notes on Policies in force December 31st, 1888, after deducting all payments thereon, and assessments levied	7,388 61	11,656 19	19,044 80
Amount of premium notes received during the year 1888	4,679 45		4,679 45

ERAMOSA MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ROCKWOOD.

Commenced business 9th April, 1861.

President—DAVID REA. | *Secretary*—HUGH BLACK.

Unassessed premium note capital, $14,439.90.

ASSETS.

Actual cash in hand at head office	$578 66	
Cash on deposit to the Company's credit, not drawn against, in the Canadian Bank of Commerce, Guelph	1,365 51	
Cash on deposit to the Company's credit, not drawn against, in the Central Bank, Guelph	211 50	
		$2,155 67
Amount of premium notes in force, after deducting all payments therein and assessments levied		14,439 90
Total assets		$16,595 57

LIABILITIES.—None.

RECEIPTS.

Cash on hand as per last statement (not extended)	$435 29	
Cash received as first payments, being part payment of premium notes		$169 94
" for assessments levied in 1888		146 92
" for interest		74 93
Total receipts		$391 79

EXPENDITURE.

Expenses of Management :

Amount paid for statutory assessment and license	$14 67
" printing, postage, etc	22 27
" salaries, directors' and auditors' fees	131 00
" rent	4 00
" other expenses	20 00
Total expenses of management	$191 94
Amount paid for losses which occurred during 1888	791 66
Total expenditure	$983 60

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	414,975 00	414,975 00

MOVEMENT OF RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	211	406,260 00
" new and renewed during 1888	84	143,165 00
Gross number during 1888	295	549,425 00
Less expired and cancelled in 1888	85	134,450 00
Net risks in force on mutual system 31st December, 1888	210	414,975 00

CLASSIFICATION OF RISKS.

Isolated and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	15,829 50	15,829 50
Amount of premium notes, after deducting all payments thereon and assessments levied	14,439 90	14,439 90
Amount of premium notes received during the year 1888.	6,810 25	6,810 25

NICHOL MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, FERGUS.

Commenced business 1st May, 1860.

President—WILLIAM TAYLOR. | *Secretary*—JOHN BEATTIE.

Unassessed premium note capital, $56,784.43.

ASSETS.

Actual cash on hand at head office		$130 66
Amount unpaid of assessments levied during 1888		712 06
" " " in prior years (not extended)	$487 25	
Amount of short date notes or due bills, less than one year overdue		23 69
" " " one year or more overdue (not extended)	$76 02	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		56,784 43
Total assets		$57,650 84

LIABILITIES.

Amount of losses adjusted	$2,350 00
" money borrowed	3,800 00
Total liabilities	$6,150 00

RECEIPTS.

Cash at head office as per last statement (not extended)	$407 22	
Cash received as first payments, being part payment of premium notes		$219 87
" for assessments levied in 1888		5,167 99
" " " years prior to 1888		653 13
" for bills receivable		82 34
" for interest		47 23
" on loan		5,950 00
" for extra premiums		27 10
" for sale of safe		25 00
Total receipts		$12,172 66

EXPENDITURE.

Expenses of Management:

Amount paid for interest	$365 68
" investigation and adjustment of claims	74 00
" statutory assessment and license fee	51 72
" printing, stationery and advertising	69 65
" commission being fees on applications	163 50
" salaries, directors' and auditors' fees	458 74
" postage, telegrams and express	67 25
" travelling expenses	30 00
" other expenses	13 35
Expenses of management (*Carried forward*)	$1,293 89

Expenses of management (*Brought forward*)		$1,293 89
Miscellaneous Payments :		
Cash paid for losses which occurred prior to 1888	$1,955 16	
" " during 1888	3,233 56	
		5,188 72
" rebate		16 61
Repayment of loans		5,950 00
Total expenditure		$12,449 22

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	1,995,652 00	1,995,652 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,479	1,962,902 00
" new and renewed during 1888	109	116,250 00
Gross number and amount during 1888	1,588	2,079,152 00
Loss expired and cancelled in 1888	65	83,500 00
Net risks in force on mutual system, 31st December, 1888	1,523	1,995,652 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years risks	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	77,930 33	77,930 33
Amount of all premium notes, after deducting all payments thereon and assessments levied	56,784 43	56,784 43
Amount of premium notes received during the year 1888	4,282 17	4,282 17

McKILLOP MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, LOT 17, CON. 5, M'KILLOP.

Commenced business May 20th, 1876.

President—THOS. E. HAYS. | *Secretary*—W. J. SHANNON.

Unassessed premium note capital, $50,252.09.

ASSETS.

Actual cash in hand at head office		$260 48
Amount unpaid of assessments levied during 1888		160 55
" " " prior to 1888 (not extended)	$21 95	
" of premium notes in force, after deducting all payments thereon and assessments levied		50,252 09
Total assets		$50,673 12

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$41 50	
Cash received for assessments levied in 1888		$3,256 30
" " " years prior to 1888		136 80
" transfer fees		7 50
" borrowed money		200 00
Total receipts		$3,600 60

EXPENDITURE.

Expenses of Management:

Amount paid for law costs	$17 50
" investigation and adjustment of claims	23 72
" commission	33 75
" statutory assessment and license	55 78
" printing, stationery and advertising	78 05
" salaries, directors' and auditors' fees	516 00
" postage, telegrams and express	45 96
" interest	71 16
" rent and taxes	10 00
" other expenses	3 85
Total expenses of management	$855 77

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	1,319 80
" repayment of loans	1,200 00
" rebate and returned premiums	6 05
Total expenditure	$3,381 62

CURRENCY OF RISKS.

Amount covered by policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	1,702,940 70	548,510 00	2,251,450 70

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,540	2,133,568 25
" new and renewed during 1888	360	482,275 00
Gross number during 1888	1,900	2,615,843 25
Less expired and cancelled in 1888	296	364,392 55
Net risks in force on mutual system 31st December, 1888	1,604	2,251,450 70

CLASSIFICATION OF RISKS :

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On policies in force December 31st, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	44,092 81	14,436 80	58,529 61
Amount of all premium notes, after deducting all payments thereon and assessments levied	39,327 62	10,924 47	50,252 09
Amount of premium notes received during the year 1888	12,803 68		12,803 68

SYDENHAM MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ANNAN.

Commenced business August, 1869.

President—GIDEON HARKNESS. | *Secretary*—HUGH REID.

Unassessed premium note captial $55,050.67.

ASSETS.

Cash on hand at head office	$357 68	
" Farmers' (Private) Bank, Owen Sound	2,500 00	
		$2,857 68
Cash in agents' hands, acknowledged by them to be due and considered good		129 53
Amount unpaid of assessments levied during 1888		4,049 66
Amount of premium notes in force after deducting all payments thereon and assessments levied		55,050 67
Total assets		$62,087 54

LIABILITIES.

Amount of losses supposed or reported	$3,246 00
Total liabilities	$3,246 00

RECEIPTS.

Cash at head office, as per last statement (not extended)	$2,117 55	
Cash received for fees		$228 00
" as first payments, being part payment of premium notes		1,485 65
" for assessments levied in 1888		2,238 41
" " " prior to 1888		25 52
" interest		65 25
Total receipts		$4,042 83

EXPENDITURE.

Expenses of Management:

Amount paid for travelling expenses	$28 00
" investigation and adjustment of claims	20 00
" statutory assessment and license	63 00
" printing, stationery and advertising	61 15
" rent and taxes	8 00
" salaries, directors' and auditors' fees	395 70
" postage, telegrams and express	82 87
" other expenses	28 29
Expenses of management	$687 01

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	$2,309 91	
" " " " prior to 1888	305 78	2,615 69
Total expenditure		$3,302 70

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year or less.	Two years.	Three years.	Four years.	Five years.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Mutual	4,966 00	1,520 00	26,333 14	73,019 00	81,409 00	2,794,228 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2,007	2,408,756 00
" new and renewed during 1888	912	1,150,962 00
Gross number during 1888	2,919	3,559,718 00
Less expired and cancelled in 1888	589	751,810 00
Net risks in force 31st December, 1888	2,330	2,807,908 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS.

On Policies in force 31st December, 1888.

——	One year risks.	Two year risks.	Three year risks.	Four year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	138 90	309 75	60,483 82	1,460 20	1,957 83	64,350 50
Amount of all premium notes, after deducting all payments thereon and assessments levied						55,050 67
Amount of premium notes received during the year 1888						29,447 84

BAY OF QUINTE AGRICULTURAL MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, PICTON.

Commenced business 31st October, 1874.

President—ARCHELAUS SOUTHARD. | *Secretary*—J. ROLAND BROWN.

Unassessed premium note capital, $21,090.12.

ASSETS.

Actual cash on hand at head office	$279 65
Amount unpaid of assessments levied in 1888	320 52
Amount of premium notes in force after deducting all payments thereon and assessments levied	21,090 12
Total assets	$21,690 29

LIABILITIES.

Amount of borrowed money	$600 00
" balance of account	50
" interest accrued	17 15
Total liabilities	$617 65

RECEIPTS.

Balance of cash on hand as per last statement (not extended)	$427 36	
Cash received for membership fees		$403 02
" first payments, being part payment of premium notes		2,131 68
" assessments levied in 1888		108 57
" borrowed money		2,200 00
" transfer fees		5 00
Total receipts		$4,848 27

EXPENDITURE.

Expenses of Management :		
Amount paid for commission to agents		$119 00
" interest		64 78
" salaries, directors' and auditors' fees		411 00
" rent		2 00
" statutory assessment and license		32 29
" printing, stationery and advertising		28 12
" postage, telegrams and express		14 00
" adjustment of claims		4 50
" travelling expenses		11 00
Total expenses of management		$686 69
Cash paid for losses which occurred before 1888	$15 00	
" " " during 1888	2,687 38	
		2,702 38
" repayment of loans		1,600 00
" rebate		6 93
Total expenditure		$4,996 00

CURRENCY OF RISKS

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	1,089,890 00	38,210 00	1,128,100 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	827	1,146,635 00
" new and renewed during 1888	238	312,470 00
Gross number during 1888	1,065	1,459,105 00
Less expired and cancelled in 1888	242	331,005 00
Net risks in force on mutual system 31st December, 1888	823	1,128,100 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Risks.		Total.
	Three years.	Five years.	
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	25,002 07	742 17	25,744 24
Amount of all premium notes after deducting all payments hereon and assessments levied	20,616 24	473 88	21,090 12
Amount of premium notes received during the year 1888	9,585 90	.....	9,585 90

WEST WAWANOSH MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, DUNGANNON.

Commenced business 13th May, 1879.

President—CHAS. GIRVIN. | *Secretary*—J. M. ROBERTS.

Unassessed premium note capital, $89,686.33.

ASSETS.

Actual cash on hand at head office		$78 92
Amount unpaid of assessments levied during 1888		408 55
Amount of premium notes in force, after deducting all payments thereon and assessments levied		89,686 33
Total assets		$90,173 80

LIABILITIES.

Amount of loss reported		$665 67
Total liabilities		$665 67

RECEIPTS.

Cash at head office, as per last statement (not extended)	$27 26	
Cash received for assessments levied in 1888		$3,776 92
" " " before 1888		232 92
" on surrendered policies		52 76
" transfer fees, etc		17 50
" on loan		600 00
Total receipts		$4,680 10

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment	$61 88
" interest	115 50
" printing, stationery and advertising	68 42
" salaries, directors' and auditors' fees	605 50
" postage, telegrams and express	54 26
" travelling expenses	36 00
" investigation of claims	16 00
Expenses of management	$957 56

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	1,654 05
" refunds	16 83
" repayment of loans	2,000 00
Total expenditure	$4,628 44

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	c.
Mutual	769,585 00	1,769,254 00	2,538,839 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		c.
Policies in force 31st December, 1887	1,867	2,389,839 00
" new and renewed during 1888	43	488 900 00
Gross number during 1888	2,302	2,878,739 00
Less expired or cancelled in 1888	265	339,900 00
Net risks in force 31st December, 1888	2,037	2,538,839 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of all premium notes held by Company, and legally liable to assessment	30,927 11	70,626 45	101,553 56
Amount of all premium notes, after deducting all payments thereon and assessments levied			89,686 33
Amount of premium notes received during the year 1888	19,592 50		19,592 50

THE USBORNE AND HIBBERT MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, FARQUHAR.

Commenced business 28th June, 1876.

President.—ROBETRT GARDINER. | *Secretary.*—ALEX. DUNCAN.

Unassessed premium note capital, $37,611.74.

ASSETS.

Actual cash on hand at head office		$525 59
Amount unpaid of assessments levied during 1888		522 48
" " " in prior years (not extended)	$92 04	
" of premium notes in force, after deducting all payments thereon and assessments levied		37,611 74
Total assets		$38,659 81

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$730 03	
" received for assessments levied in 1888		$1,260 03
" " " " before 1888		182 20
" interest		10 00
Total receipts		$1,452 23

EXPENDITURE.

Expenses of Management :

Amount paid for investigation of claims		$13 00
" interest		
" statutory assessment and license		50 75
" printing, stationery and advertising		30 25
" rent and taxes		20 00
" salaries, directors' and auditors' fees		152 50
" travelling expenses		15 00
" postage, telegrams and express		26 00
" commission		35 77
Expenses of management		$343 27

Miscellaneous Payments :

Amount paid for losses which occurred during 1888	$1,313 40
Total expenditure	$1,656 67

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	767,070 00	1,345,870 00	2,112,940 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,334	1,913,947 00
" new and renewed during 1888	373	531,715 00
Gross number during 1888	1,707	2,445,662 00
Less expired and cancelled in 1888	254	332,722 00
Net risks in force on mutual system 31st December, 1888	1,453	2,112,940 00

CLASSIFICATION OF RISKS:

Farm and non hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	19,401 75	28,852 79	48,254 54
Amount of all premium notes, after deducting all payments thereon and assessments levied	15,854 15	21,757 59	37,611 74
Amount of premium notes received during the year 1888	13,078 23		13,078 23

DOMINION GRANGE MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, OWEN SOUND,

President—JESSE TRULL. | *Secretary*—RICHARD J. DOYLE.

Commenced business March 29th, 1877.

Unassessed premium note capital, $146,890 81.

ASSETS.

Cash value of real estate, less incumbrances		$4,832 44
" mortgages		11,500 00
" shares, bonds, debentures, securities, other than foregoing		.....
Actual cash on hand at head office	$569 05	
Cash on deposit to the Company's credit, not drawn against, in the Molson's Bank agency at Owen Sound	9 10	
		578 15
Amount of short date notes or due bills less than one year overdue		$2,408 30
Amount of short date notes or due bills one year or more overdue (not extended)	$176 21	
Amount of premium notes in force after deducting all payments thereon and assessments levied	$146,890 81	
Less residue of premium notes given for reinsurance	125 98	
		146,764 83
Amount of due and accrued interest		594 90
Other assets		225 27
Total assets		$166,903 89

LIABILITIES.

Amount of claims in course of adjustment	$2,849 22
" " supposed or reported	50 00
" suspense account	25 99
" balance of unpaid refunds	57 68
" loan	1,300 00
" agents' bonuses, etc	647 44
" sundry small items	89 35
Total liabilities	$5,019 68

RECEIPTS.

Cash at head office as per last statement (not extended)....	$609 86	
Cash received as first payments or deposits, being part payment of premium notes		$5,745 60
Cash received for interest		1,200 59
" re-insurances		2,500 00
" agents' fees		946 29
" rent		120 00
" borrowed		4,412 00
" investment account		14,099 44
" carpenters' risks, transfer fees, etc		64 52
" sundries		28 52
Total receipts		$29,116 96

EXPENDITURE.

Expenses of Management:

Amount paid for commission	$969 00
" law costs	1,447 67
" investigation and adjustment of claims and inspection of agencies	1,172 90
" statutory assessment and license	203 11
" printing, stationery, advertising and books	1,085 93
" taxes and insurance	101 35
" salaries, directors' and auditors' fees	4,011 20
" travelling expenses and general agency	90 80
" postage, telegrams and express, etc., etc.	345 27
" fuel, light and other expenses	371 75
" nterest, discount and exchange	165 91
Total expenses of management	$9,964 89

Miscellaneous Payments:

Cash paid for losses which occurred prior to 1888	$738 00	
" " " during 1888.....	11,594 23	
		$12,332 23
" re-insurances		199 63
" rebate		278 74
" steam heating, etc		561 84
" dividends		180 49
" repayment of loans		4,005 99
Total expenditure		$27,523 81

CURRENCY OF RISKS.

Amount covered by policies in force 31st December, 1888.

System.	Maritime Provinces.	Province of Ontario.
	Total.	Total.
	$ c.	$ c.
Mutual	272,600 00	8,291,677 00
Total re-insurance		60,950 00
Net risks carried by Company		8,230,727 00

CLASSIFICATION OF RISKS:

Non-hazardous.

MOVEMENT IN RISKS.

Mutual System.

	Maritime Provinces.		Province of Ontario.	
	Number.	Amount.	Number.	Amount.
		$ c.		$ c.
Policies in force 31st December, 1887			6,716	8,051,447 00
Policies, new and renewed during 1888			2,060	2,427,220 00
Gross number during 1888			8,776	10,478,667 00
Less expired and cancelled in 1888			1,847	2,186,990 00
Net risks in force on Mutual System 31st December, 1888	271	272,600 00	6,929	8,291,677 00

PREMIUM NOTES OR UNDERTAKINGS

policies in force 31st December, 1888, in the Province of Ontario.

	Total.
	$ c.
Amonnt of face of all premium notes held by Company and legally liable to assessment	211,638 03
Amount of all premium notes, after deducting all payments thereon and assessments levied	146,890 81
Amount of premium notes received during the year 1888	67,281 37

OTTER MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, NORWICH.

Commenced business 13th August, 1887.

President—JOAN TOPHAM. | *Secretary*—H. J. DAGER.

Unassessed premium note capital, $8,807.74.

ASSETS.

Amount of premium notes in force, after deducting all payments thereon and assessments levied	$8,807 74
Total assets	$8,807 74

LIABILITIES.

Amount of money borrowed	$250 00
" balance due Treasurer	69 70
Total liabilities	$319 70

RECEIPTS.

Cash received from fees, etc	$2 07
" on loan	250 00
" advance by Treasurer	69 70
Total receipts	$321 77

EXPENDITURE.

Expenses of Management:

Amount paid for salaries, directors' and auditors' fees	$92 00
" stationery, printing and advertising	12 80
" postage	3 65
" interest	16 21
" statutory assessment and license	7 62
" travelling expenses	1 25
Total expenses of management	$133 53
In repayment of loans	188 24
Total expenditure	$321 77

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	258,750 00	258,750 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31, 1887	69	110,325 00
Policies taken during 1888	91	150,925 00
Gross number during 1888	160	261,250 00
Deduct cancelled in 1888	2	2,500 00
Net risks in force 31st December, 1888	158	258,750 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	8,895 24	8,895 24
Amount of all premium notes, after deducting all payments thereon and assessments levied	8,807 74	8,807 74
Amount of premium notes received during the year 1888	5,161 13	5,161 13

GREY AND BRUCE MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, HANOVER.

Commenced business 6th July, 1878.

President—DAVID MCNICOL. | *Secretary*—DUNCAN CAMPBELL.

Unassessed premium note capital, $27,730.64.

ASSETS.

Cash on deposit to Company's credit in McNally & Adams' Bank in Hanover	$767 04	
Cash on deposit to the Company's credit, not drawn against, in the Central Bank agency at Durham	568 69	
Cash on deposit to the Company's credit, not drawn against, in the Standard Bank agency at Durham	622 19	
		$1,957 92
Amount unpaid of assessments of 1888		67 76
Amount of premium notes in force, after deducting all payments thereon and assessments levied		27,730 64
Total assets		$29,756 32

LIABILITIES.—None.

RECEIPTS.

Balance of cash on hand 31st December, 1888, (not extended)	$1,857 28	
Cash received for assessments levied of 1888		$604 01
" " " years prior to 1888		50 39
Total receipts		$654 40

EXPENDITURE.

Expenses of Management:

Amount paid for salaries, directors' and auditors' fees	$161 00
" statutory assessment and license	21 79
" postage, stationery, printing, etc	15 00
commission	87 00
" printing, etc	26 81
" sundries	9 66
Expenses of management	$321 26

Miscellaneous Payments:

Cash paid for losses which occurred during 1888	226 50
Total expenditure	$547 76

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year.	Two years.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Mutual	3,500 00	6,800 00	692,223 00	72,326 00	774,849 00

MOVEMENT OF RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	645	699,228 00
" new and renewed during 1888	300	316,551 00
Gross number during 1888	945	1,015,779 00
Less expired and cancelled in 1888	231	240,930 00
Net risks in force 31st December, 1888	714	774,849 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	One year risk.	Two year risks.	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment.	61 50	208 50	26,671 18	1,356 15	28,297 43
Amount of all premium notes, after deducting all payments thereon and assessments levied					27,730 64
Amount of premium notes received during the year 1888					13,500 28

GERMANIA FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, LOT 4, CONCESSION 8, TOWNSHIP OF NORMANBY.

Commenced business 16th March, 1878.

President—JNO. ROEDDING. | *Secretary*—GEO. HOPF.

Unassessed premium note capital, $28,783.67.

ASSETS.

Actual cash on hand at head office	$16 00	
" to Company's credit in Standard Bank, Harriston	337 65	
		$353 65
Amount unpaid of assessments levied during 1887 (not extended)	$4 75	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		28,783 67
All other assets		5 00
Total assets		$29,142 32

LIABILITIES.—None.

RECEIPTS.

Cash at head office and in bank, as per last statement (not extended)	$417 54	
Cash received for membership fees, (not being part payment of premium notes)		$61 00
Cash received for fees, etc		2 30
" for assessments levied in years prior to 1888		12 95
" for interest		14 98
Total receipts		$91 23

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment and license	$25 86
" printing, stationery and advertising	14 00
" rent and taxes	2 00
" salaries, directors' and auditors' fees	102 00
" travelling expenses	7 00
" postage, telegrams and express	4 26
Total expenditure	$155 12

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	388,610 00	608,565 00	997,165 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31st, 1887	694	875,905 00
" new and renewed during 1888	208	300,075 00
Gross number during 1888	902	1,175,980 00
Less expired and cancelled in 1888	141	178,815 00
Net risks in force on mutual system 31st December, 1888	761	997,165 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years risks	Five years risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	14,134 12	14,875 25	29,001 37
Amount of all premium notes, after deducting all payments thereon and assessments levied	14,134 12	14,649 55	28,783 67
Amount of premium notes received during the year 1888	10,994 12	.....	10,994 12

FORMOSA MUTUAL FIRE INSURANCE COMPANY,

HEAD OFFICE, FORMOSA.

Commenced business 22nd May, 1880.

President—ANDREW WAECHTER. | *Secretary*—J. J. SCHUMACHER.

Unassessed premium note capital, $28,083.02.

ASSETS.

Amount of cash on hand at head office, 31st December, 1888...	$99 62	
" on deposit to Company's credit " " in Merchants' Bank, Walkerton	1,218 00	
" in Bank of Commerce "	1,448 00	
		$2,765 62
Amount of unpaid assessments which were levied during 1888		7 64
" " " in prior years (not extended)	$32 36	
" of premium notes in force, after deducting all payments thereon and assessments levied.....		28,083 02
Amount of bills receivable, less than one year overdue		25 05
" " one year or more overdue (not extended)	$10 15	
Total assets		$30,881 33

LIABILITIES.—None.

RECEIPTS.

Cash received as first payments being part payment of premium notes.....	$452 93
" for assessments levied in 1888.....	673 64
" " " before 1888	34 88
" for interest	122 36
Cash on due bills	133 05
Total receipts.....	$1,416 86

EXPENDITURE.

Expenses of Management:

Commission to agents	$85 50
Amount paid for statutory assessment and license.....	23 78
" salaries, etc.....	128 90
" postage, telegrams and express	25 93
" printing and stationery.....	40 05
" investigation of claims	5 00
Total expenses of management	$309 16
Amount paid for loss in 1888	37 00
" rebate	5 08
Total expenditure	$351 24

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	968,212 00	968,212 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	767	789,052 00
" new and renewed during 1888	352	385,250 00
Gross number during 1888	1,119	1,174,302 00
Less expired and cancelled in 1888	219	206,090 00
Net risks in force on mutual system 31st December, 1888	900	968,212 00

CLASSIFICATION OF RISKS.

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	29,970 00	29,970 00
Amount of all premium notes, after deducting all payments thereon and assessments levied	28,083 02	28,083 02
Amount of premium notes received during the year 1888	11,903 00	11,903 00

WEST BRUCE FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, KINCARDINE.

Commenced business 3rd July, 1885.

President—ROBERT BAIRD. | *Secretary*—GEORGE BISSETT.

Unassessed premium note capital, $23,925.84.

ASSETS.

Cash in Treasurers' hands		$155 02
Amount of premium notes in force, after deducting all payments thereon and assessments levied		23,925 84
Amount unpaid of assessments levied during 1888		247 73
" " " in prior years (not extended)	$24 24	
Total assets		$24,328 59

LIABILITIES—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$35 22	
Cash received for assessments levied during 1888		2,149 69
" " " before 1888		54 30
" borrowed money		700 00
Total receipts		$2,903 99

EXPENDITURE.

Expenses of Management:

Amount paid for investigation of claims		$11 00
" postage, etc		25 49
" statutory assessment and license		19 10
" printing, stationery and advertising		40 25
" interest		52 65
" salaries, directors' and auditors' fees		171 00
" law costs		6 50
" other expenses		13 00
Total expenses of management		$338 99
Amount paid for losses during 1888	$641 20	
" " " prior to 1888	800 00	
		1,441 20
" " loan		1,000 00
" " rebate		4 00
Total expenditure		$2,784 19

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	736,125 00	736,125 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	462	592,300 00
" new and renewed during 1888	145	176,100 00
Gross number during 1888	607	768,400 00
Less expired or cancelled in 1888	26	32,275 00
Net risks in force 31st December, 1888	581	736,125 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	28,380 75	28,380 75
Amount of all premium notes, after deducting all payments thereon and assessments levied	23,925 84	23,925 84
Amount of premium notes received during the year 1888	6,908 50	6,908 50

HOWICK FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, GORRIE.

Commenced business 10th July, 1873.

President—JAMES EDGAR. | *Secretary*—T. F. MILLER.

Unassessed premium note capital, $131,036.22

ASSETS.

Actual cash on hand at head office and in private bank		$2,971 27
Amount unpaid of assessments levied during 1888		542 74
" " in prior years (not extended)	$347 58	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		131,036 22
Total assets		$134,550 23

LIABILITIES.

Retained balances of premium notes	$184 50
Total liabilities	$184 50

RECEIPTS.

Cash at head office, as per last statement (not extended)	$1,492.64	
Cash received for assessments levied in 1888		$4,159 95
" " " years prior to 1888		614 15
" premiums retained		184 50
" interest		52 10
Total receipts		$5,010 70

EXPENDITURE.

Expenses of Management :

Amount paid for travelling expenses	$22 00
" to agents for commission	157 00
" for investigation and adjustment of claims	48 30
" statutory assessment and license	79 60
" printing, stationery and advertising	132 00
" rent and taxes	10 00
" salaries, directors' and auditors' fees	734 00
" interest	.....
" postage, telegrams and express	54 65
" law costs	18 00
" other expenses	22 30
Expenses of management	$1,277 85

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	2,069 72
" repayment of premiums retained	184 50
Total expenditure	$3,532 07

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	1,182,006 00	1,915,777 00	3,097,783 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2,303	3,134,621 00
" new and renewed during 1888	614	845,728 00
Gross number during 1888	2,922	3,980,349 00
Less expired and cancelled in 1888	646	882.566 00
Net risks in force on mutual system 31st December, 1888	2,276	3,097,783 00

CLASSIFICATION OF RISKS:

Farm and Non hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years risks.	Five years risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	36,480 18	113,036 87	149,517 05
Amount of all premium notes, after deducting all payments thereon and assessments levied			131,036 22
Amount of premium notes received during the year 1888	41,781 30		41,781 30

CULROSS MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, TEESWATER.

Commenced business June 3rd, 1872.

President—SAMUEL KIRKLAND. | *Secretary*—ALEX. ADAMSON.

Unassessed premium note capital, $22,134.60.

ASSETS.

Cash on hand at head office	$14 00	
Cash on deposit, to the Company's credit in Hamilton Bank, Wingham agency	354 00	
Cash in Post Office Savings Bank, Teeswater	385 00	
		$753 00
Amount unpaid of assessments levied during 1888		81 25
" " " " before 1888 (not extended)	$5 24	
" of premium notes in force, after deducting all payments thereon and assessments levied		22,134 60
Total assets		$22,968 85

LIABILITIES—None.

RECEIPTS.

Cash received for assessments levied in 1888	$257 34
" " years prior to 1888	173 43
" interest	5 67
Total receipts	$436 44

EXPENDITURE.

Expenses of Management:

Amount paid for legal advice	$4 25
" statutory assessment and license	18 08
" salaries, directors' and auditors' fees	104 00
" printing, stationery, advertising and postage	10 14
" rent	12 00
" postage	4 58
Total expenses of management	$153 05
Amount paid for loss which occurred in 1888	17 00
Total expenditure	$170 05

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	571,263 00	571,263 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	379	545,582 00
" new and renewed during 1888	146	204,022 00
Gross number during 1888	525	749,604 00
Less expired and cancelled in 1888	130	178,341 00
Net risks in force on mutual system on 31st December, 1888	395	571,263 00

CLASSIFICATION OF RISKS :

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	22,880 12	22,880 12
Amount of all premium notes, after deducting all payments thereon, and assessments levied	22,134 60	22,134 60
Amount of premium notes received during the year 1888	8,160 88	8,160 88

SIMCOE COUNTY MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, KEENANSVILLE.

Commenced business 21st June, 1878.

President—GEO. C. MORROW. | *Secretary*—THOS. R. CARMICHAEL.

Unassessed premium note capital, $7,914.45.

ASSETS.

Amount unpaid of assessments levied during 1888	$142 05
" of premium notes in force, after deducting all payments thereon and assessments levied	7,914 45
Total assets	$8,056 50

LIABILITIES.

Amount of loan remaining unpaid	$214 28
Total liabilities	$214 28

RECEIPTS.

Cash received at taking of applications	$52 00
" for assessments levied in 1888	460 80
" " " years prior to 1888	107 50
" on loan	163 88
Overdraft on treasurer	214 28
Total receipts	$998 46

EXPENDITURE.

Expenses of Management :

Amount paid for salaries, directors' and auditors' fees	$174 30
" statutory assessment and license	10 68
" printing and stationery	13 80
" postage, etc	25 40
" interest, travelling expenses	6 00
" investigation of claims	7 00
" commission and fees	74 00
Total expenses of management	$311 18

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	332 50
Repayment of loan	354 78
Total expenditure	$998 46

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	273,255 00	273,255 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31st, 1887	178	238,012 00
" new and renewed during 1888	78	104,070 00
Gross number during 1888	256	342,082 00
Less expired and cancelled in 1888	45	68,827 00
Net risks in force 31st December, 1888	211	273,255 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	9,063 50	9,063 50
Amount of all premium notes after deducting all payments thereon, and assessments levied	7,914 45	7,914 45
Amount of premium notes received during the year 1888	3,650 75	3,650 75

ERIE FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, SELKIRK.

Commenced business 2nd September, 1871.

President—GUYE CULVER. | *Secretary*—J. W. HOLMES.

Unassessed premium note capital, $15,538.73.

ASSETS.

Actual cash on hand at head office		$161 39
Amount unpaid of premium notes in force, after deducting all payments thereon and assessments levied		15,538 73
" asesssments levied during 1888		47 4
" notes, or due bills less than one year overdue		205 00
Total assets		$15,952 96

LIABILITIES—None.

RECEIPTS.

Cash as per last statement (not extended)	$123 96	
" at taking of applications		$82 62
" received as first payments, being part payment of premium notes at head office		88 06
" assessments levied in 1888		410 26
" " prior years		10 05
Total receipts		$590 99

EXPENDITURE.

Expenses of Management:

Amount paid for fuel	$2 00
" statutory assessment and license	21 16
" printing, stationery and advertising	14 00
" salaries of directors and auditors' fees	152 60
" postage, telegrams and express	10 80
" travelling expenses	3 00
Total expenses of management	$203 56
Amount paid for losses which occurred in 1888	350 00
Total expenditure	$553 56

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	189,025 00	504,360 00	693,385 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	621	679,105 00
" new and renewed during 1888	120	143,525 00
Gross number during 1888	741	822,630 00
Less expired and cancelled in 1888	120	129,245 00
Net risks in force on mutual system 31st December, 1888	621	693,385 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	7,393 25	9,606 85	17,100 10
Amount of all premium notes, after deducting all payments thereon and assessments levied	7,193 44	8,345 29	15,538 73
Amount of premium notes received during the year 1888	4,375 75	....	4,375 75

TOWNSEND FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, WATERFORD.

Commenced business 10th April, 1879.

President—OSCAR MCMICHAEL. | *Secretary*—LYMAN N. COLLVER.

Unassessed premium note capital, $24,564.04.

ASSETS.

Actual cash on hand at head office	$172 45
Amount of premium notes in force after deducting all payments thereon and assessments levied	24,564 04
Total assets	$24,736 49

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$253 05	
Cash received at taking of applications		$134 50
" as first payment, being part payment of premium notes		258 21
Total receipts		$392 71

EXPENDITURE.

Expenses of Management :

Amount paid for statutory assessment	$28 26
" investigation of claims	3 00
" printing, stationery and advertising	2 00
" travelling expenses	12 00
" salaries, directors' and auditors' fees	260 35
" postage, telegrams and express	5 70
Expenses of management	$311 31
Amount paid for losses which occurred during 1888	162 00
Total expenditure	$473 31

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual.	1,031,105 00	1,031,105 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	687	977,475 00
" new and renewed during 1888	269	401,350 00
Gross number during 1888	956	1,378,825 00
Less expired and cancelled in 1888	238	347,720 00
Net risks in force on mutual system 31st December, 1888	718	1,031,105 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	25,263 21	25,263 21
Amount of all premium notes, after deducting all payments thereon, and assessments levied	24,564 04	24,564 04
Amount of premium notes received during the year 1888	12,845 35	12,845 35

NORFOLK COUNTY FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, SIMCOE.

Commenced business 30th January, 1882.

President—JOHN MURPHY. | *Secretary*—WM. ROBERTS.

Unassessed premium note capital, $16,850.34.

ASSETS.

Cash in Treasurer's and Secretary's hands		$108 13
Cash in agents' hands		140 75
Amount of premium notes in force, after deducting all payments thereon and assessments levied		16,850 34
Amount unpaid of assessments levied during 1888		170 24
" " " prior to 1888 (not extended)	$99 23	
Due bills less than one year overdue		98 63
" more " " (not extended)	$17 00	
Total assets		$17,368 09

LIABILITIES.

Money borrowed	$1,003 39
Salaries and directors' fees	265 42
Printing, postage, etc.	22 67
Rent, etc.	68 50
Total liabilities	$1,359 98

REVENUE ACCOUNT.

Cash at head office (not extended)	$350 64	
Cash received as first payments on deposits, being part payment of premium notes		$1,125 96
Cash received for assessments levied in 1888		1,495 74
" " " former years		75 54
" interest		6 76
" transfer fees, etc.		94 25
Cash borrowed		1,691 25
Total receipts		$4,489 50

EXPENDITURE.

Expenses of Management :

Amount paid for commission	$86 25
" law costs	10 00
" printing, stationery and advertising	38 90
" interest	115 34
" rent and taxes	65 00
" statutory assessment and license	32 37
" salaries, directors' and auditors' fees	593 10
" postage, telegrams and express	38 20
" investigation of claims	28 00
Expenses of management—*Carried forward*	$1,007 16

Amount brought forward		$1,007 16
Miscellaneous Expenses :		
Cash paid for losses which occurred prior to 1888	$1,255 60	
" " " during 1888	1,358 00	
		2,613 60
" repayment of loans		1,091 25
" rebate		14 30
" sundries		5 70
Total expenditure		$4,732 01

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Total.
	$ c.
Mutual	977,860 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,235	1,139,548 00
Policies new and renewed during 1888	345	349,030 00
Gross number during 1888	1,580	1,488,578 00
Less expired or cancelled in 1888	524	510,718 00
Net risks in force 31st December, 1888	1,056	977,860 00

CLASSIFICATION OF RISKS :

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	One year risks.	Two year risks.	Three year risks.	Total.
	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes legally liable to assessment	49 25	58 85	23,247 94	23,356 04
Amount of all premium notes, after deducting all payments thereon and assessments levied	44 93	52 97	16,752 44	16,850 34
Amount of premium notes received during the year 1888	49 25	58 85	11,928 87	12,036 97

WALPOLE FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, JARVIS.

Commenced business 27th July, 1867.

President—GEO. JEPSON. | *Secretary*—GEORGE MILLER.

Unassessed premium note capital, $30,070.83

ASSETS.

Cash on hand at head office	$209 06	
Cash on deposit in Bank of Commerce, Jarvis	934 20	
		$1,143 26
Cash in Agent's hands, acknowledged by them to be due, and considered good		71 01
Amount unpaid of assessments levied during 1888		425 93
" " " in prior years (not extended)	$17 59	
" of premium notes in force after deducting all payments thereon and assessments levied		30,070 83
Total assets		$31,711 03

LIABILITIES.

Amount of adjusted losses	$1,095 00
" reported losses	6 00
Total liabilities	$1,101 00

RECEIPTS.

Cash at head office and in bank, as per last statement (not extended)	$1,082 05	
Cash received at taking of applications		$315 00
" as first payments, being part payment of premium notes		206 19
" for assessments levied in 1888		2,240 33
" " " prior years		10 10
" for interest		11 44
" on loan		300 00
Total receipts		$3,083 06

EXPENDITURE.

Expenses of Management.	
Amount paid to agents for commission and fees on application	$115 00
" for investigation and adjustment of claims	4 50
" statutory assessment and license	35 31
" printing and advertising	47 50
" salaries, directors' and auditors' fees	310 85
" postage, express and stationery	12 50
" fuel and light	5 00
" interest	12 25
Total expenses of management	$542 91
Miscellaneous Payments:	
Cash paid for losses which occurred during 1888	2,173 75
" rebate	5 19
" repayment of loan	350 00
Total expenditure	$3,071 85

CURRENCY OF RISKS.

Amount covered by policies in force 31st December, 1888.

System.	One year or less.	Two years.	Three years.	Four years.	Five years.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Mutual	1,450 00	12,915 00	761,732 00	9,375 00	537,950 00	1,323,422 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	770	1,273,675 00
" new and renewed during 1888	218	373,495 00
Gross number during 1888	988	1,647,170 00
Less expired and cancelled in 1888	217	323,748 00
Net risks in force on mutual system 31st December, 1888	771	1,323,422 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On policies in force 31st December, 1888.

——	One year risks.	Two year risks.	Three year risks.	Four year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	15 88	209 23	20,723 69	181 73	13,686 08	34,816 61
Amount of premium notes after deducting all payments thereon and assessments levied	13 76	179 92	18,561 06	146 23	11,169 86	30,070 83
Amount of premium notes received during the year 1888						11,359 16

BERTIE AND WILLOUGHBY FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, RIDGEWAY.

Commenced business 6th February, 1880.

President—WALTER E. ELLSWORTH. | *Secretary*—H. N. HIBBARD.

Unassessed premium note capital, $24,083.30.

ASSETS.

Actual cash on hand at head office		$188 48
Amount unpaid of assessments levied in 1888		136 48
" " " in prior years (not extended)	$11 88	
" of premium notes in force, after deducting all payments thereon and assessments levied		24,083 30
Total assets		$24,408 26

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$111 79	
Cash received as first payments, being part payment of premium notes		$282 85
" for assessments of 1888		2,259 49
" " prior to 1888		7 73
Total receipts		$2,550 07

EXPENDITURE.

Expenses of Management:

Amount paid for application fees	$112 72
" statutory assessment and license	22 87
" printing, stationery and advertising	50 92
" salaries, directors' and auditors' fees	108 20
" postage, telegrams, express, etc	15 24
" travelling expenses	14 30
" incidental expenses	5 40
" investigation of claims	12 00
" interest	36 90
Total expenses of management	$378 55
Cash paid for losses which occurred during 1888	1,493 90
" rebate prior to 1887	93
" in repayment of loan	600 00
Total expenditure	$2,473 38

CURRENCY OF RISKS.

Amount covered by policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	899,672 00	899,672 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	594	750,677 00
" new and renewed during 1888	271	361,320 00
Gross number during 1888	865	1,111,997 00
Less expired and cancelled in 1888	179	212,325 00
Net risks in force 31st December, 1888	686	899,672 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	28,018 24	28,018 24
Amount of all premium notes, after deducting all payments thereon and assessments levied	24,083 30	24,083 30
Amount of premium notes received during the year 1888	11,130 12	11,130 12

THE GRAND RIVER FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, YORK.

Business commenced 15th April, 1875.

President—Wm. H. Hull. | *Secretary*—F. A. Nelles.

Unassessed premium note capital, $12,690.85.

Assets.

Cash on hand at head office	$44 99	
Cash on deposit to the Company's credit, not drawn against, in Hamilton Bank Agency, Cayuga	1,254 00	
		$1,298 99
Cash in agents' hands acknowledged by them to be due, and considered good.		53 50
Amount of unpaid assessments levied during 1888		182 52
Amount of premium notes in force, after deducting all payments thereon and assessments levied		12,690 85
Total assets		$14,225 86

Liabilities.—None.

Receipts.

Cash at head office and in bank, as per last statement (not extended)	$471 00	
Cash received at taking of applications		$59 50
" for assessments levied during 1888		965 23
" " in years prior to 1888		26 37
" for interest		17 89
Total receipts		$1,068 99

Expenditure.

Expenses of Management:

Amount paid for statutory assessment and license	$15 24
" printing and advertising	
" salaries, directors' and auditors' fees	183 50
" travelling expenses	10 70
" postage, telegrams, etc	31 56
Total expenditure	$241 00

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	457,811 00	457,811 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c
Policies in force 31st December, 1887	322	430,365 00
" new and renewed during 1888	110	137,255 00
Gross number during 1888	432	567,620 00
Less expired and cancelled in 1888	95	109,809 00
Net risks in force on mutual system 31st December, 1888	337	457,811 00

CLASSIFICATION OF RISKS:

All Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	13,782 72	13,782 72
Amount of all premium notes, after deducting all payments thereon and assessments levied	12,690 85	12,690 85
Amount of premium notes received during the year 1888	4,181 82	4,181 82

ONEIDA FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, TOWN HALL, ONEIDA.

Commenced business 27th March, 1875.

President—JAMES FEARMAN. | *Secretary*—JOHN SENN.

Unassessed premium note capital, $11,948.67.

ASSETS.

Actual cash on hand at head office		$176 84
Amount of premium notes in force, after deducting all payments thereon and assessments levied		11,948 67
Amount of assessments levied in years prior to 1888 (not extended)	$11 72	
Total assets		$12,125 51

LIABILITIES.

Amount of loss reported		$50 00
Total liabilities		$50 00

RECEIPTS.

Cash at head office, as per last statement (not extended)	$192 97	
Cash received at taking of applications		$77 25
" for assessments levied in 1888		2 59
" " steam threshing certificates		12 00
" " interest		6 00
Total receipts		$97 84

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment and license		$15 57
" " printing, stationery and postage		2 00
" " salaries, directors' and auditors' fees		92 00
" " fuel		2 00
Total expenses of management		$111 57

Miscellaneous Payments:

Cash paid for rebate		2 40
Total expenditure		$113 97

CURRENCY OF RISKS.

Amount covered by Policie in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	467,910 00	467,910 00

MOVEMENT IN RISKS.

Mutual System.

———	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	334	443,930 00
" new and renewed during 1888	107	171,505 00
Gross number during 1888	441	615,435 00
Less expired and cancelled in 1888	105	147.525 00
Net risks in force on mutual system 31st December, 1888	336	467,910 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

———	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	12,810 16	12,810 16
Amount of premium notes, after deducting all payments thereon and assessments levied	11,948 67	11,948 67
Amount of premium notes received during the year 1888	5,260 15	5,260 15

THE SOUTHWOLD FARMERS' MUTUAL FIRE INSURANCE COMPANY

HEAD OFFICE, SHEDDEN.

Commenced business 9th September, 1878.

President—DUGALD McCOLL. | *Secretary*—R. N. STAFFORD.

Unassessed premium note capital, $10,225.78.

ASSETS.

Cash on deposit to Company's credit in Imperial Bank at St. Thomas	$450 00	
Actual cash in hand at Head Office	77 21	
		$527 21
Amount unpaid of assessments levied during 1888		124 97
" " " in prior years (not extended)	$39 30	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		10,225 78
Total assets		$10,877 96

LIABILITIES—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$88 23	
Cash received at taking of application		$57 50
" for assessment levied in 1888		482 73
" " in years prior to 1888		146 49
Total receipts		$686 72

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment and license	$20 09
" printing and stationery	17 45
" salaries, directors' and auditors' fees	180 00
" postage	7 20
" travelling expenses	10 00
" rent and taxes	8 00
Total expenses of management	$242 74

Miscellaneous Payments:

Cash paid for loss which occurred during 1888	5 00
Total expenditure	$247 74

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	209,675 00	394,125 00	603,800 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	456	633,900 00
" new and renewed during 1888	115	164,800 00
Gross number during 1888	571	798,700 00
Less expired and cancelled in 1888	153	194,900 00
Net risks in force on mutual system 31st December, 1888	418	603,800 00

CLASSIFICATION OF RISKS:

Farm and non hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	6,290 25	8,882 50	14,172 75
Amount of all premium notes, after deducting all payments thereon and assessments levied			10,225 78
Amount of premium notes received during the year 1888			4,944 00

DUNWICH FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, WALLACETOWN.

Commenced business September, 1880.

President—ANGUS PATERSON. | *Secretary*—JOHN L. PEARCE.

Unassessed premium note capital, $13,231.47.

ASSETS.

Amount of actual cash on hand at Head Office		$184 04
Amount unpaid of assessments levied prior to 1888 (not extended)	$65 84	
" " " during 1888		150 24
Amount of unassessed premium note capital		13,231 47
Total assets		$13,565 75

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$241 98	
Amount of cash received for fees and surveys		$24 00
" " assessments levied prior to 1888		81 48
" " " " during 1888		1,860 50
" " interest		11 74
" borrowed		900 00
Total income		$2,877 72

EXPENDITURE.

Expenses of Management :

Amount paid for interest		$22 91
" statutory assessment and license		15 85
" printing, stationery, advertising and postage		21 80
" salaries, directors' and auditors' fees		117 00
" investigation of claims		21 85
" travelling expenses		2 25
" rent and taxes		2 00
Total expenses of management		$203 66
Cash paid for losses which occurred during 1887	$20 00	
" " " 1888	1,812 00	
		1,832 00
Repayment of loans		900 00
Total expenditure		$2,935 66

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	453,985 00	453,985 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31st, 1887	478	455,690 00
" new and renewed during 1888	54	51,750 00
Gross number during 1888	532	507,440 00
Deduct expired and cancelled in 1888	52	53,455 00
Net risks in force 31st December, 1888	480	453,985 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years risks	Total.
	$ c.	$ c.
Amount of all premium notes, after deducting all payments thereon and assessments levied	13,231 47	13,231 47
Amount of premium notes received during the year 1888	1,552 50	1,552 50

THE YARMOUTH MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, SOUTH-WEST CORNER LOT NUMBER 7, CON. 9, TOWNSHIP OF YARMOUTH.

Commenced business 17th October, 1881.

President—W. L. VANSYCKLE. | *Secretary*—WM. H. ELLIOTT.

Unassessed premium note capital, $10,885.83.

ASSETS.

Actual cash on hand at head office	$3 89	
Cash on deposit to the Company's credit, not drawn against, in Southern Loan and Savings Company, St. Thomas	283 12	
		$287 01
Amount of assessments levied during 1888		75
Amount of premium notes in force after deducting all payments thereon and assessments levied		10,885 83
Total assets		$11,173 59

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$899 77	
Cash received as first payments, being part payment of premium notes		$244 22
" for assessments levied in 1888		651 20
" " " 1887		62 89
" for transfer fees, etc.		14 55
" for interest		10 20
Total receipts		$983 06

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment and license	17 95
" printing, stationery and advertising	9 53
" postage, telegrams and express	3 24
" salaries, directors' and auditors' fees	176 00
Total expenses of management	$206 72

Miscellaneous:

Cash paid for losses which occurred during 1888	1,387 85
" rebate	1 25
Total expenditure	$1,595 82

CURRENCY OF RISKS.

Amount covered by policies in force 31st December, 1888.

System.	Over one but under two years.	Over two but under three years.	Three years.	Total.
	$ c.	$ c.	$ c.	$ c.
Mutual	1,400 00	2,500 00	549,355 00	553,255 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	377	544,045 00
" new and renewed during 1888	79	99,090 00
Gross number during 1888	456	643,135 00
Less expired and cancelled in 1888	73	89,880 00
Net risks in force 31st December, 1888	383	553,255 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Over one but under two year risks.	Over two but under three year risks.	Three years.	Total.
	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	21 00	51 00	13,457 23	13,529 23
Amount of all premium notes, after deducting all payments thereon and assessments levied	18 37	35 05	10,832 41	10,885 83
Amount of premium notes received during the year 1888			2,973 20	2,973 20

THE WESTMINSTER MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, LOT 14, CON. 4, WESTMINSTER.

Commenced business 11th December, 1857.

President—GEO. RUTLEDGE. | *Secretary*—HENRY ANDERSON.

Unassessed premium note capital, $21,540.76.

ASSETS.

Cash at head office	$13 79	
Cash on deposit to the Company's credit, not drawn against, in the Canadian Trust and Loan Company, London	3,135 16	
London Loan and Savings Company, London	3,693 30	
Huron and Erie " "	4,135 87	
		$10,978 12
Amount of premium notes in force, after deducting all payments thereon and assessments levied		21,540 76
Total assets		$32,518 88

LIABILITIES.—None.

RECEIPTS.

Cash at head office, on deposit as per last statement (not extended)	$9,019 11	
Cash received for assessments levied in 1888		$2,254 21
" as first payments on premium notes		133 76
" interest		479 64
Total receipts		$2,867 61

EXPENDITURE.

Expenses of Management:	
Amount paid for investigation and adjustment of claims	$37 50
" statutory assessment and license	33 68
" printing, stationery and advertising	33 11
" salaries, directors' and auditors' fees	372 50
" rent, salvage, etc	29 10
Total expenses of management	505 89
Miscellaneous Payments:	
Cash paid for losses which occurred during 1888	402 71
Total expenditure	$908 60

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	339,845 00	886,685 00	1,226,530 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	836	1,204,960 00
" new and renewed during 1888	217	302,830 00
Gross number during 1888	1,053	1,507,790 00
Less expired and cancelled in 1888	221	281,260 00
Net risks in fore 31st December, 1888	832	1,226,530 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	10,195 35	17,733 70	27,927 05
Amount of all premium notes, after deducting all payments thereon and assessments levied	9,515 66	12,113 59	21,510 76
Amount of premium notes received during the year 1888			9,084 90

DEREHAM AND WEST OXFORD MUTUAL FIRE INSURANCE COMPANY

HEAD OFFICE, MT. ELGIN.

Commenced business May 18th, 1887.

President—W. NANCEKIVELL. | *Secretary*—T. R. MAYBERRY.

Unassessed premium note capital, $9,806.02.

ASSETS.

Actual cash on hand at head office	$10 77	
Cash on deposit at agency of Traders' Bank, Ingersoll	204 50	
		$215 27
Cash in agents' hands		45 14
Amount of unassessed premium note capital		9,806 02
Total		$10,066 43

LIABILITIES—None.

RECEIPTS.

Amount of cash at head office, as per last statement (not extended)	$96 16	
Amount of cash received for first payment or deposits on premium notes		$218 98
" " interest		1 50
" " from agents		40 68
Total income		$261 16

EXPENDITURE.

Expenses of Management :

Amount paid for statutory assessment and license	$9 30
" printing, stationery, advertising and postage	6 75
" salaries, directors' and auditors' fees	93 50
" investigation of claims	4 00
" other expenses	1 50
Total expenses of management	$115 05
Amount paid for losses during 1888	20 00
" rebate	7 00
Total expenditure	$142 05

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	294,918 00	294,918 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Amount covered by policies in force 31st December, 1887	109	180,518 00
Policies taken during 1888	73	125,925 00
Gross number and amount during 1888	182	306,443 00
Less expired during 1888	6	11,525 00
Net risks in force 31st December, 1888	176	294,918 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	10,320 27	10,320 27
Amount of all premium notes, after deducting all payments thereon and assessments levied	9,806 02	9,806 02
Amount of premium notes received during the year 1888	4,394 15	4,394 15

EAST AND WEST NISSOURI AND WEST ZORRA MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, KINTORE.

Commenced business 25th May, 1873.

President—THOMAS DUFFIN. | *Secretary*—E. J. PEARSON.

Unassessed premium note capital, $61,940.93.

ASSETS.

Cash on hand at head office	$78 42	
Cash deposited to the Company's credit in Traders' Bank, Ingersoll Agency	644 18	
		$722 60
Amount unpaid of assessments levied during 1888		1,030 22
Amount of premium notes in force, after deducting all payments thereon and assessments levied		61,940 93
Amount unpaid of assessments levied in years prior to 1888 (not extended)	$334 52	
Total assets		$63,693 75

LIABILITIES.

Amount of adjusted losses	$1,640 00
Total liabilities	$1,640 00

RECEIPTS.

Cash at head office, as per last statement (not extended)	$ 705 04	
" received for assessments levied in 1888		$2,646 39
" " " before 1888		1,098 77
" borrowed		1,000 00
" refund of rent		5 00
Total receipts		$4,750 16

EXPENDITURE.

Expenses of management :

Amount paid for statutory assessment	$ 41 70
" printing, advertising and postage	86 10
" rent and taxes	10 00
" salaries, directors' and auditors' fees	301 10
" investigation of claims	19 00
" interest	100 11
" law costs	220 20
" travelling expenses	31 75
" other expenses	11 00
Expenses of management (*carried forward*)	$820 96

Expenses of management (*brought forward*)		$820 96
Miscellaneous payments :		
Cash paid for losses which occurred before 1888	$597 20	
" " during 1888	714 44	
		1.311 64
Repayment of loans		2,600 00
Total expenditure		$4,732 60

CURRENCY OF RISKS.

Amount Covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c
Mutual	526,475 00	943,715 00	1,470,190 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	921	1,542,096 00
Policies new and renewed during 1888	229	389,075 00
Gross number during 1888	1,150	1,931,171 00
Less expired or cancelled in 1888	270	460,981 00
Net risks in force on mutual system 31st December, 1888	880	$1,470,190 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force December 31st, 1888.

	Three years.	Five Years.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	25,374 20	47,185 75	72,559 95
Amount of all premium notes, after deducting all payments thereon and assessments levied	24,519 28	37,421 65	61,940 93
Amount of premium notes received during the year 1888	18,492 00		18,492 00

THE LAMBTON FARMERS' MUTUAL FIRE INSURANCE COMPANY,

HEAD OFFICE, WATFORD.

Commenced business 5th November, 1875.

President—GEORGE DEWAR. | *Secretary*—W. G. WILLOUGHBY.

Unassessed premium note capital, $55,841.63.

ASSETS.

Cash value of debentures		$1,620 00
Cash on hand	$19 67	
" deposit to Company's credit in Traders' Bank, Watford.	2,625 07	
" deposit to Company's credit in Lambton Loan Company, Sarnia	1,566 56	
		4,211 30
Amount of short date notes, or due bills, less than one year overdue		944 94
Amount of premium notes in force, after deducting all payments thereon and assessments levied		55,841 63
Total assets		$62,617 87

LIABILITIES.—None.

RECEIPTS.

Cash at head office and in bank, as per last statement (not extended)	$7,359 61	
Cash received as first payments, being part payment of premium notes		$6,940 76
" for interest		254 69
" for debentures		318 20
" for fees		1 00
Total receipts		$7,514 65

EXPENDITURE.

Expenses of Management :

Amount paid for commission to agents	$797 25
" statutory assessment	78 27
" printing, stationery and advertising	131 56
" salaries, directors' and auditors' fees	549 00
" postage, telegrams and express	51 24
" travelling expenses	35 00
" investigation on adjustment of claims	63 50
" law costs	203 45
" rent of hall	3 00
" other expenses	7 95
Total expenses of management	$1,920 22

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	7,374 88
" rebate	177 86
" debentures and other security	1,190 00
Total expenditure	$10,662 96

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	3,329,283 00	3,329,283 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2,829	3,078,374 00
" new and renewed during 1888	1,063	1,144,500 00
Gross number during 1888	3,892	4,222,874 00
Less expired and cancelled in 1888	850	893,591 00
Net risks 31st December, 1888	3,042	3,329,283

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	75,810 68	75,810 68
Amount of all premium notes, after deducting all payments thereon and assessments levied	55,841 63	55,841 63
Amount of premium notes received during the year 1888	34,335 00	34,335 00

CARADOC FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, MOUNT BRYDGES.

Commenced business 28th June, 1884.

President—Wm. Young. | *Secretary*—Wm. E. Sawyer.

Unassessed premium note capital, $10,737.11.

Assets.

Amount of premium notes in force, after deducting all payments thereon and assessments levied		$10,737 11
Amount of unpaid assessments levied during 1888		19 46
" " " in prior years (not extended)	$5 96	
Total assets		$10,756 57

Liabilities.

Amount of money borrowed	$100 00
" balance due Treasurer	29 99
Total liabilities	$129 99

Receipts.

Cash received for fees at taking of applications	$34 50
" as first payments, being part payment of premium notes	50 93
" for assessments levied in 1888	504 67
" " " years before 1888	25 59
" for transfer fees	1 00
" on loan	100 00
Total receipts	$716 69

Expenditure.

Expenses of Management :

Cash paid to agents for fees		$34 50
" for salaries, directors' and auditors' fees		63 00
" travelling expenses		3 00
" statutory certificate		13 94
" printing, stationery and advertising		31 00
" postage, telegrams, express, etc		5 66
" investigation and adjustment of claims		3 00
" other expenses		3 50
Total expenses of management		$157 60
Cash paid for losses which occurred during 1888	$400 00	
" " " prior to 1888	150 00	
		550 00
" repayment of loan		31 35
" rebate		7 73
Total expenditure		$746 68

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.	$ c.
Mutual	150 00	114,670 00	325,276 00	440,096 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	306	375,606 00
" taken during 1888, new and renewed	69	92,190 00
Gross number during 1888	375	467,796 00
Deduct expired and cancelled in 1888	26	27,700 00
Net risks in force 31st December, 1888	349	440,096 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS.

	One year.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	4 50	3,440 00	9,758 28	13,202 88
Amount of all premium notes on policies in force December 31st, 1888, after deducting all payments thereon and assessments levied				10,737 11
Amount of premium notes received during the year 1888				2,765 70

KENT AND ESSEX FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ROMNEY.

Commenced business 27th July, 1888.

President—Wm. Wickwire. | *Secretary*—Thos. C. Renwick.

Unassessed premium note capital, $3,971.91.

Assets.

Cash on hand at head office	$150 76	
" deposit in the Merchants' Bank of Chatham	200 00	
		$350 76
Amount of premium notes in force, after deducting all payments thereon and assessments levied		3,971 91
Amount of due bills less than one year over-due		4 00
Totaal assets		$4,326 67

Liabilities.

Amount of salaries and fees unpaid	$97 50
Total liabilities	$97 50

Receipts.

Cash received as first payments, being part payment of premium notes	$505 46
Total receipts	$505 46

Expenditure.

Expenses of Management:

Cash paid for commission to agents	$2 75
" travelling expenses	35 25
" license fees, etc	35 00
" printing, stationery and advertising	75 15
" postage, etc.	1 05
" official seal	5 00
" registratration of preliminary meeting	0 50
Total expenditure	$154 70

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	129,250 00		129,250 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31, 1888	98	129,250 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	4,481 37	4,481 37
Amount of all premium notes, after deducting all payments thereon and assessments levied	3,971 91	3,971 91
Amount of premium notes received during the year 1888	4,481 37	4,481 37

OXFORD FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, EMBRO.

Commenced business 2nd June, 1884.

President—ALEX. MCCORQUODALE. | *Secretary*—ROBERT MURRAY.

Unassessed premium note capital, $30,074.50.

ASSETS.

Cash at head office		$138 59
Amount of premium notes in force after deducting all payments thereon and assessments levied		30,074 50
Amount unpaid of assessments of 1888		53 63
" " prior to 1888 (not extended)	$34 34	
Total assets		$30,266 72

LIABILITIES—None.

RECEIPTS.

Cash at head office as per last statement (not extended)	$64 24	
Cash received for assessments levied during 1888		$991 41
" " " in prior years		78 20
Cash borrowed		250 00
Cash for fees		3 40
Total receipts		$1,323 01

EXPENDITURE.

Expenses of management:

Cash paid for printing, stationery, postage and advertising	$20 30
" interest	9 95
" statutory assessment and license	23 36
" rent	15 00
" salaries, etc	167 75
" other expenses	18 00
Total expenses of management	$254 36
Cash paid for losses during 1888	544 30
" being repayment of loans	450 00
Total expenditure	$1,248 66

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	One year at least.	Two years.	Three years.	Four years.	Five years.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Mutual	1,500 00	1,000 00	210,905 00	11,250 00	642,200 00	866,855 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	619	771,330 00
" taken during 1888 and renewed	91	130,025 00
Gross number during 1888	710	901,355 00
Deduct expired and cancelled in 1888	29	34,500 00
Net risks in force at December 31st, 1888	681	866,855 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	One year risks.	Two year risks.	Three year risks.	Four year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	60 00	40 00	8,720 00	450 00	25,138 50	34,608 50
Amount of all premium notes, after deducting all payments thereon and assessments levied.	58 12	38 75	7,902 97	378 22	21,696 44	30,044 50
Amount of premium notes received during the year 1887	.....	.....	5,194 50	.....	.....	5,194 50

GLOBE MUTUAL FIRE INSURANCE COMPANY OF BRANTFORD, IN LIQUIDATION.

W. S. Brewster, Liquidator, Brantford.

Statement as at 30th September, 1889.

Assets.

Cash on hand		$667 03
Debts in course of collection, as per schedule	$3,055 26	
Less probably irrecoverable	2,555 26	500 00
		$1,167 03

Liabilities.

Fire losses admitted by the Company, as follows :		
A. S. Stewart	$45 00	
W. L. Kitchen	80 50	
E. Van Leen	75 00	
C. P. Keefer	24 00	
G. Arnold	486 68	
J. Harvey	75 00	
J. H. Sears	12 50	
		$798 68
A. G. Matthew's claim for service as agent, now in litigation	$610 18	
Less Company's counter-claim	520 00	
		90 18
Due for legal services *re* Matthews and Globe Mutual, estimated		75 00
		$963 86

McGILLIVRAY MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, WEST M'GILLIVRAY.

Commenced business 2nd May, 1877.

President—ANDREW ROBINSON. | *Secretary*—WM. FRASER.

Unassessed premium note capital, $8,760.16.

ASSETS.

Amount of cash at head office	$215 45	
" on deposit in Bank of Commerce, Parkhill	3,506 77	
		$3,722 22
Amount of notes or due bills less than one year overdue		189 10
" " " " more " " " (not extended)	$67 20	
" of premium notes in force after deducting all payments thereon and assessments levied		8,760 16
Total assets		$12,671 48

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$355 12	
Cash received as first payments or deposits, being part payment of premium notes		$856 60
Cash received for interest		221 45
" short dated notes		476 65
Total receipts		$1,554 70

EXPENDITURE.

Expenses of Management.	
Amount paid for statutory assessment and license	$13 50
" postage	5 00
" salary, auditors' and directors' fees	89 00
" printing and stationery	39 75
" commission	111 00
Total expenses of management	$258 25
Miscellaneous Payments:	
Cash paid for losses which occurred during 1888	20 00
" rebate	9 35
Total expenditure	$287 60

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	357,790 00	357,790 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force December 31st, 1887	350	357,240 00
"In" taken during 1888, new and renewed	222	229,900 00
Gross number and amount of risks in force on 31st December, 1888	572	587,140 00
Deduct expired and cancelled in 1888	204	229,350 00
Net risks in force 31st December, 1888	368	357,790 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	10,973 70	10,973 70
Amount of all premium notes after deducting all payments thereon, and assessments levied	8,760 16	8,760 16
Amount of premium notes received during the year 1888	6,897 00	6,897 00

TOWNSHIP OF EAST WILLIAMS MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, NAIRN.

Commenced business 8th August, 1875.

President—NEIL MCTAGGART. | *Secretary*—WM. MCCALLUM.

Unassessed premium note capital, $6,691.39.

ASSETS.

Cash on hand	$93 36	
Cash in Bank of Commerce at Parkhill	1,730 08	
		$1,823 44
Cash in agents' hands, acknowledged by them to be due and considered good.		25 80
Amount unpaid of assessments levied during 1888		161 15
" " " " in prior years (not extended)	$39 44	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		6,691 39
Total assets		$8,701 78

LIABILITIES.

Claim resisted	$1,000 00
Total liabilities	$1,000 00

RECEIPTS.

Cash at Head Office as per last statement (not extended)	$1,428 59	
Cash received as first payments on premium notes		$166 05
" for assessments levied during 1888		289 84
" " " prior to 1888		92 00
" for agents' balances		35 90
" for interest		107 33
Total receipts		$691 12

EXPENDITURE.

Expenses of Management:

Amount paid for statutory assessment and license	$12 50
" printing, stationery and advertising	3 70
" salaries, directors' and auditors' fees	86 00
" postage, etc	2 32
" law costs	181 25
Expenses of management	$285 77

Miscellaneous Payments:

Cash paid for loss which occurred in 1888	9 25
" rebate, etc	1 25
Total expenditure	$296 27

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	315,610 00	315,610 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	267	314,980 00
" new and renewed during 1888	84	95,925 00
Gross number during 1888	351	410,905 00
Less expired and cancelled in 1888	85	95,295 00
Net risks in force on mutual system, 31st December, 1888	266	315,610 00

CLASSIFICATION OF RISKS:

Farm and non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	7,966 85	7,966 85
Amount of all premium notes, after deducting all payments thereon, and assessments levied	6,691 39	6,691 39
Amount of premium notes received during the year 1888	2,877 75	2,877 75

ELMA FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ATTWOOD.

Commenced business 22nd March, 1884.

President—W. SHEARER. | *Secretary*—ROBT. CLELAND.

Unassessed premium note capital, $24,511.43.

ASSETS.

Amount of cash on hand at head office		$19 82
Amount unpaid of assessments levied in 1888		61 67
" " " in prior years (not extended)	$11 92	
Amount of premium notes in force after deducting all payments thereon and assessments levied		24,511 43
Total assets		$24,592 92

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$5 83	
Cash received for fees at taking of application		$28 50
" assessments levied in 1888		730 00
" assessments levied in 1887		62 81
Total receipts		$821 31

EXPENDITURE.

Expenses of Management:		
Amount paid for statutory assessment and license		$15 80
" printing and stationery		20 00
" salaries		120 00
" postage		5 02
" adjusting claims		3 00
" rent		4 00
Total expenses of management		$167 82
Amount paid for losses which occurred during 1888		639 50
Total expenditure		$807 32

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	161,219 00	394,586 00	541,819 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	360	453,950 00
" taken during 1888	82	101,855 00
Gross number in force on mutual system 31st December, 1888	442	555,805 00
Less expired and cancelled in 1888	14	13,988 00
Net risks in force on 31st December, 1888	428	541,819 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three years risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	8,060 95	19,029 90	27,095 85
Amount of all premium notes, after deducting all payments thereon and assessments levied			24,511 43
Amount of premium notes received during the year 1888	5,092 75		5,092 75

COUNTY OF BRANT FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, PARIS.

Commenced business 27th May, 1861.

President—THOMAS LLOYD JONES. | *Secretary*—WM. TURNBULL.

Unassessed premium note capital, $102,753.84.

ASSETS.

Cash on hand at head office	$573 75
Amount unpaid of assessments levied during 1888	1,080 68
" " " in prior years (not extended) $154 63	
Amount of premium notes in force after deducting all payments thereon and assessments levied	102,753 84
Total assets	$104,408 27

LIABILITIES.

Amount of borrowed money and interest	603 15
Total liabilities	$603 15

RECEIPTS.

Cash at head office as per last statement (not extending) $248 25	
Cash received for assessments levied in 1888	2,550 00
" " " prior to 1888	1,718 77
Cash borrowed	1,800 00
Cash receipts from cancelled policies	19 28
Total receipts	$6,088 05

EXPENDITURE.

Expenses of Management :

Amount paid for commission	$499 32
" fuel and light	11 45
" investigation and adjustment of claims	35 08
" interest	85 30
" statutory assessment and license	90 64
" printing, stationery and advertising	29 83
" rent and taxes	50 00
" salaries, directors' and auditors' fees	713 30
" postage, telegrams and express	27 35
" travelling expenses	8 00
" law costs	12 00
" other expenses	10 23
Total expenses of management	$1,572 50

Miscellaneous Payments :

Cash paid for losses which occured during 1888	2,040 05
Repayment of loans	2,150 00
Total expenditure	$5,762 55

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	1,081,481 00	2,703,900 00	3,785,381 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2,602	3,598,346 00
" new and renewed during 1888	575	759,840 00
Gross number during 1888	3,177	4,358,186 00
Less expired and cancelled in 1888	487	572,805 00
Net risks in force 31st December, 1888	2,690	3,785,381 00

CLASSIFICATION OF RISKS:

Farm and Non hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three years risks.	Five years risks.	Total.
	$ c.	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	32,504 75	80,653 15	113,157 90
Amount of all premium notes, after deducting all payments thereon and assessments levied			102,753 84
Amount of premium notes received during the year 1888	22,870 80		22,870 80

COUNTY OF PEEL FARMERS' MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, BRAMPTON.

Commenced business 24th June, 1876.

President—THOMAS HOLTBY. | *Secretary*—LUTHER CHEYNE.

Unassessed premium note capital, $68,362.93.

ASSETS.

Cash on deposit in Dominion Bank Agency, Brampton	$2,150 00	
Actual cash on hand at head office	313 06	
		$2,463 06
Amount unpaid of assessments levied during 1888		666 46
" " " in prior years (not extended)	$415 23	
Amount of premium notes in force, after deducting all payments thereon and assessments levied		68,362 93
Total assets		$71,492 45

LIABILITIES.—None.

RECEIPTS.

Cash at head office, as per last statement (not extended)	$605 82	
Cash received as first payments, being part payment of premium notes		$1,466 97
" for assessments levied in 1888		3,466 18
" " " years prior to 1888		1,207 07
" for interest		17 50
" licenses, etc		11 00
Total receipts		$6,168 72

EXPENDITURE.

Expenses of Management:

Amount paid for commission to agents	$321 50
" investigation and adjustment of claims	27 00
" interest	8 75
" statutory assessment	81 14
" printing, stationery and advertising	100 50
" salaries, directors' and auditors' fees	988 65
" postage, telegrams and express	132 48
" rent	52 00
" other expenses	4 00
Total expenses of management. (*Carried forward*)	$1,716 02

Expenses of management (*brought forward*)		$1,716 02
Miscellaneous Payments:		
Cash paid for losses which occurred during 1888	$2,095 44	
" " " prior to 1888	443 81	
		2,539 25
" rebate		23 86
" sundries		32 35
Total expenditure		$4,311 48

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	3,415,275 00	3,415,275 00

MOVEMENT IN RISKS.

Mutual System.

	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	2,108	3,169,179 00
Policies new and renewed during 1888	643	922,795 50
Gross number during 1888	2,751	4,091,974 50
Less expired or cancelled in 1888	586	676,969 00
Net risks in force on mutual system 31st December, 1888	2,165	3,415,005 50

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company and legally liable to assessment	81,302 00	81,302 00
Amount of all premium notes, after deducting all payments thereon and assessments levied	68,362 93	68,362 93
Amount of premium notes received during the year 1888	28,793 22	28,793 22

BLANSHARD MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, ST. MARY'S.

Commenced business 27th March, 1876.

President—Wm. F. Sanderson. | *Secretary*—Geo. Moir.

Unassessed premium note capital, $18,440.02.

Assets.

Actual cash on hand at head office		$745 98
Amount unpaid of assessments levied during 1888		430 20
" " " before 1888 (not extended)	$151 04	
" of premium notes in force, after deducting all payments thereon and assessments levied		18,440 02
Total assets		$19,616 20

Liabilities.

Amount of money borrowed	$900 00
Total liabilities	$900 00

Receipts.

Cash at head office, as per last statement (not extended)	$54 87	
" received for assessments levied in 1888		1,880 29
" " prior to 1888		27 62
" on loan		1,760 20
Total receipts		$3,668 11

Expenditure.

Expenses of Management:

Amount paid for law costs	$20 00
" statutory assessment and license	24 79
" interest	105 76
" salaries and directors' fees	85 00
" postage, etc	16 50
" printing, stationery and advertising	24 75
Total expenses of management	$276 80
Cash paid for losses which occurred during 1888	1,490 00
" repayment of loans	1,210 20
Total expenditure	$2,977 00

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Five years.	Total.
	$ c.	$ c.	$ c.
Mutual	226,400 00	665,230 00	891,630 00

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	589	831,630 00
" new and renewed during 1888	127	158,600 00
Gross number during 1888	716	990,230 00
Less expired and cancelled in 1888	87	98,600 00
Net risks in force on mutual system 31st December, 1888	629	891,630 00

CLASSIFICATION OF RISKS:

Farm and Non-hazardous.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December 1888.

——	Three year risks.	Five year risks.	Total.
	$ c.	$ c.	$ c.
Amount of all premium notes held by Company and legally liable to assessment	7,239 34	17,790 64	25,029 98
Amount of all premium notes, after deducting all payments thereon and assessments levied	.....	.....	18,440 02
Amount of premium notes received during the year 1888.	5,134 90	.....	5,194 90

SAUGEEN MUTUAL FIRE INSURANCE COMPANY.

HEAD OFFICE, MOUNT FOREST.

Commenced business March, 1877.

President—JAMES MURDOCH. | *Secretary*—HENRY L. DRAKE.

Unassessed premium note capital, $17,798.59.

ASSETS.

Amount unpaid of assessments levied during 1888		$15,049 32
" " " in prior years (not extended)..	$1,797 19	
" of premium notes in force, after deducting all payments thereon and assessments levied	$17,798 59	
Less premium notes given by Company for re-insurance	159 94	
		17,638 65
*Total assets		$32,687 97

LIABILITIES.

Amount of losses adjusted	$5,452 00
" unpaid loans	11,600 00
" of interest accrued on above	534 57
" due for sundry accounts	1,749 00
*Total liabilities	$19,335 57

RECEIPTS.

Cash at head office, as per last statement (not extended)..	$1,232 52	
Cash received as first payments, being part payment of premium notes..		$314 75
" for assessments levied in 1888		2,969 71
" " " prior to 1888		9,281 08
" for interest		100 03
" borrowed money		9,336 00
" from other sources		48 58
*Total receipts		$22,050 15

* Totals not down in Company's statement.

The Company's license expired on 30th June, 1889, and was not renewed.

Expenditure.

Expenses of Management :

Amount paid for commission to agents	$797 97	
" on collection of assessments 1887	1,013 37	
		$1,811 34
Amount paid for law costs		416 68
" interest		178 68
" statutory assessment and license		32 08
" printing, stationery and advertising		228 27
" salaries, directors' and auditors' fees		266 37
" postage, telegrams, express and telephone		108 03
" investigation and adjustment of claims		102 78
" taxes		23 10
" fuel, light, etc		59 57
Total expenses of management		$3,226 90

Miscellaneous Payments :

Cash paid for losses which occurred during 1888	$4,183 59	
" " " prior to 1888	5,815 76	
		9,999 35
" rebate, abatement and returned premiums		284 04
" re-insurances		19 78
" on loans		10,316 00
*Total expenditure		$23,846 07

CURRENCY OF RISKS.

Amount covered by Policies in force 31st December, 1888.

System.	Three years.	Total.
	$ c.	$ c.
Mutual	797,323 00	797,323 00
Of which was re-insured		4,190 00
Net risks		793,133 00

* Total not down in Company's statement.

MOVEMENT IN RISKS.

Mutual System.

——	Number.	Amount.
		$ c.
Policies in force 31st December, 1887	1,550	1,137,694 00
" new and renewed during 1888	229	171,400 00
Gross number during 1888	1,779	1,309,094 00
Less expired or cancelled in 1888	681	511,771 00
Net risks in force 31st December, 1888	1,098	797,323 00

BUSINESS DONE BY COMPANY:

General Fire Insurance.

PREMIUM NOTES OR UNDERTAKINGS

On Policies in force 31st December, 1888.

——	Three year risks.	Total.
	$ c.	$ c.
Amount of face of all premium notes held by Company, and legally liable to assessment	40,427 70	40,427 70
Amount of premium notes, after deducting all payments thereon and assessments levied	17,798 59	17,798 59
Amount of premium notes received during the year 1888	7,614 03	7,614 03
Residue of premium notes given by the Company for re-insurances	159 94	159 94

The license of the Saugeen Mutual Fire Insurance Company expired on the 30th June, 1889, and was not renewed.

RECAPITULATION

OF

ASSETS, LIABILITIES, INCOME AND EXPENDITURE

OF ALL

STRICTLY MUTUAL FIRE INSURANCE COMPANIES.

PURELY MUTUAL FIRE INSURANCE COMPANIES.

ASSETS FOR THE YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Real Estate, Cash Value.	Mortgages, Bonds, Debentures, and other Securities.	Cash.	Agents' Balances.	Assessments Unpaid of 1888.	Bills receivable less than one year overdue.	Unassessed Premium Note Capital.	Interest Due and Accrued.	All other Assets.	Total Assets.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Bay of Quinté			279 65		320 52		21,090 12			21,690 29
Bertie and Willoughby			188 48		136 48		24,083 30			24,408 26
Blanshard			745 98		430 20		18,440 02			19,616 20
Blenheim, North			495 24		80 55		36,540 00			37,115 79
Brant County			573 75		1,080 68		102,753 84			104,408 27
Bruce, West			155 02		247 73		23,925 84			24,328 59
Canadian Millers'		11,300 00	9,750 63		515 00		43,547 30	223 94		65,336 87
Caradoc Farmers'					19 46		10,737 11			10,756 57
Culross			753 00		81 25		22,134 60			22,968 85
Dereham and West Oxford			215 27	45 14			9,806 02			10,066 43
Dominion Grange	4,832 44	11,500 00	578 15			2,408 30	146,764 83	594 90	225 27	166,903 89
Dorchester, North and South			1,223 91		95 14		17,850 08			19,169 13
Downie			183 01		22 04		19,044 80			19,249 85
Dumfries North and Waterloo South			1,003 09		503 01		172,150 58			173,656 68
Dunwich			184 04		150 24		13,231 47			13,565 75
Easthope, South			453 40		56 14		84,858 96			85,368 50
Economical	14,999 00	19,700 00	6,638 09	179 31	1,525 62	819 59	161,077 52	1,015 23		205,954 36
Elma			19 82		61 67		24,511 43			24,592 92
Eramosa			2,155 67				14,439 90			16,595 57
Erie			161 39		47 84	205 00	15,538 73			15,952 96
Formosa			2,765 62		7 64	25 05	28,083 02			30,881 33
Germania			353 65				28,783 67		5 00	29,142 32
Grand River			1,298 99	53 50	182 52		12,690 85			14,225 86
Grey and Bruce			1,957 92		67 76		27,730 61			29,756 32
Guelph Township			125 06				22,552 45			22,677 51

Hay Township			789 30		7 75		51,899 58			52,696 63
Hopewell Creek			1,410 58		256 00		63,091 40			64,757 98
Howick Farmers'			2,971 27		542 74		131,036 22			134,550 23
Huron and Middlesex			2,171 92	1,653 19	1,510 21	1,919 46	97,042 14			104,296 92
Kent and Essex			350 76			4 00	3,971 91			4,326 67
Lambton		1,620 00	4,211 30			944 94	55,841 63			62,617 87
Lennox and Addington			70 78		205 61		12,574 55		25 00	12,875 94
Lobo Township			932 60		61 58		15,731 83			16,726 01
London Township			1,846 92		108 61		17,198 77			19,154 30
McGillivray			3,722 22			189 10	8,760 16			12,671 48
McKillop			260 48		160 55		50,252 09			50,673 12
Nichol			130 66		712 06	23 69	56,784 43			57,650 84
Nissouri Farmers'			722 60		1,030 22		61,940 93			63,693 75
Norfolk			108 13	140 75	170 24	98 63	16,850 34			17,368 09
Oneida			176 84				11,948 67			12,125 51
Otter							8,807 74			8,807 74
Oxford Farmers'			138 59		53 63		30,074 50			30,266 72
Peel and Maryboro'			141 16		42 41		6,855 67			7,039 24
Peel County Farmer's			2,463 06		666 46		68,362 93			71,492 45
Puslinch			299 50				10,758 14			11,057 64
Saltfleet and Binbrook			346 85		23 01		11,318 35			18,688 21
Simcoe			142 05				7,914 45			8,056 50
Southwold			527 21		124 97		10,225 78			10,877 96
Sydenham			2,857 68	129 53	4,049 66		55,050 67			62,087 54
Townsend			172 45				24,564 04			24,736 49
Usborne and Hibbert			525 59		522 48		37,611 74			38,659 81
Victoria			1,937 82		901 62	171 64	41,302 60			44,313 68
Waterloo, North, Farmers'			381 98		316 98		114,621 91			115,320 87
Wawanosh, West			78 92		408 55		89,686 33			90,173 80
Walpole			1,143 26	71 01	425 93		30,070 83			31,711 03
Wellington			12,818 74	889 78	8,268 89	1,875 72	367,495 20			391,348 33
Westminster			10,978 12				21,540 76			32,518 88
Williams, East			1,823 44	25 80	161 15		6,691 39			8,701 78
Yarmouth			287 01		75		10,885 83			11,173 59
Total	19,831 44	44,120 00	89,198 62	3,188 01	26,363 55	8,685 12	2,711,130 59	1,834 07	255 27	2,904,606 67

PURELY MUTUAL FIRE INSURANCE COMPANIES.

LIABILITIES FOR YEAR ENDING 31st, DECEMBER, 1888.

Name of Company.	Losses.			Borrowed Money.	Interest accrued.	Salaries and Directors' fees.	Other liabilities.	Total liabilities.	Number of Policies in force.	Amount at risk.
	Adjusted.	Resisted.	Reported but not Adjusted.							
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.		$ c.
Bay of Quinte				600 00	17 15		50	617 65	823	1,128,100 00
Bertie and Willoughby								*nil.*	686	899,672 00
Blanshard				900 00				900 00	629	891,630 00
Blenheim, North								*nil.*	399	882,150 00
Brant County				600 00	3 15			603 15	2,690	3,785,381 00
Bruce, West								*nil.*	581	736,125 00
Canadian Millers'								*nil.*	224	600,550 00
Caradoc Farmers'				129 99				129 99	340	440,096 00
Culross								*nil.*	395	571,263 00
Dereham and West Oxford								*nil.*	176	294,918 00
Dominion Grange	2,849 22		50 00	1,300 00			820 46	5,019 68	6,929	8,291,677 00
Dorchester, North and South						84 00		84 00	774	1,137,295 00
Downie								*nil.*	373	646,655 00
Dumfries, North, and Waterloo, South		200 00						200 00	1,719	4,019,334 00
Dunwich Farmers'								*nil.*	480	453,985 00
Easthope, South								*nil.*	951	1,812,970 00
Economical								*nil.*	4,326	4,330,712 00
Elma Farmers'								*nil.*	428	541,819 00
Eramosa								*nil.*	210	414,975 00
Erie Farmers'								*nil.*	621	693,385 00
Formosa								*nil.*	900	968,212 00
Germania Farmers'								*nil.*	761	997,165 00
Grand River								*nil.*	337	157,811 00
Grey and Bruce								*nil.*	714	774,849 00

Guelph Township								nil.		275	503,450 00
Hay Township								nil.		1,424	1,955,192 00
Hopewell Creek								nil.		1,114	1,307,828 00
Howick Farmers'							184 50	184 50		2,276	3,097,783 00
Huron and Middlesex	3,848 25		1,000 00	4,800 00		881 93		10,530 18		3,366	2,518,061 00
Kent and Essex						97 50		97 50		98	129,250 00
Lambton Farmers'								nil.		3,042	3,329,283 00
Lennox and Addington				500 00				500 00		395	474,586 00
Lobo Township								nil.		341	429,946 00
London Township								nil.		586	783,413 00
McGillivray								nil.		368	357,790 00
McKillop								nil.		1,604	2,251,450 70
Nichol	2,350 00			3,800 00				6,150 00		1,523	1,995,652 00
Nissouri Farmers'	1,640 00							1,640 00		880	1,470,190 00
Norfolk Farmers'				1,003 39		265 42	91 17	1,359 98		1,056	977,860 00
Oneida Farmers'			50 00					50 00		336	467,910 00
Otter				319 70				319 70		158	258,750 00
Oxford Farmers'								nil.		681	866,855 00
Peel and Maryboro								nil.		224	240,380 00
Peel County Farmers'								nil.		2,165	3,415,005 50
Paslinch								nil.		259	486,935 00
Saltfleet and Binbrook						59 65	11 25	70 90		323	430,460 00
Simcoe County				214 28				214 28		211	273,255 00
Southwold Farmers'								nil.		418	603,800 00
Sydenham	3,246 00							3,246 00		2,330	2,807,908 00
Townsend Farmers'								nil.		718	1,031.105 00
Usborne and Hibbert								nil.		1,450	2,112,940 00
Victoria							81 65	81 65		984	1,189,748 00
Walpole Farmers'	1,095 00		6 00					1,101 00		771	1,323,422 00
Waterloo, North, Farmers'								nil.		1,344	2,473,644 00
Wawanosh, West			665 67					665 67		2,037	2,538,839 00
Wellington	1,945 85			2,701 19			21 86	4,668 90		3,052	3,914,277 50
Westminster Township								nil.		832	1,226,530 00
Williams, East	1,000 00							1,000 00		266	315,610 00
Yarmouth								nil.		383	553,255 00
Total	17,974 32	200 00	1,771 67	16,868 55	20 30	1,388 50	1,226 39	39,434 73		63,768	83,929,092 70

PURELY MUTUAL FIRE INSURANCE COMPANIES.

INCOME FOR THE YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Fees or Surveys.	First payments on Premium Notes.	Assessments for 1888.	Arrears of prior Assessments.	Interest.	Bills receivable, etc.	Licenses, Extra Risks, Transfer Fees, etc.	Investments.	Borrowed Money.	Other Sources.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Bay of Quinte	403 02	2,131 68	108 57						2,200 00	5 00	4,848 27
Bertie and Willoughby		282 85	2,259 49	7 73							2,550 07
Blanshard			1,880 29	27 62					1,760 20		3,668 11
Blenheim, North	116 17		793 95							0 35	910 47
Brant County			2,550 00	1,718 77					1,800 00	19 28	6,088 05
Bruce, West			2,149 69	54 30					700 00		2,903 99
Canadian Millers'		5,981 60	7,973 90	548 90	677 94			900 00		67 60	16,149 94
Caradoc Farmers'	34 50	50 93	504 67	25 59			1 00		100 00		716 69
Culross			257 34	173 43	5 67						436 44
Dereham and West Oxford		218 98			1 50					40 68	261 16
Dominion Grange		5,745 60			1,200 59	2,500 00		14,099 44	4,412 00	1,159 33	29,116 96
Dorchester, North and South		412 31	1,756 99	4 60	101 73						2,275 63
Downie			280 10	46 73	1 02						327 85
Dumfries, North, and Waterloo South			5,939 40	220 34	16 35						6,176 09
Dunwich Farmers'	24 00		1,860 50	81 48	11 74				900 00		2,877 72
Easthope, South			2,141 65	57 23							2,198 88
Economical		14,565 61	16,183 79	1,340 96	1,667 20		119 00				33,882 56
Elma Farmers'	28 50		730 00	62 81							821 31
Eramosa		169 94		146 92	74 93						391 79
Erie Farmers'	82 62	88 06	410 26	10 05							590 99
Formosa		452 93	673 64	34 88	122 36	133 05					1,416 86
Germania Farmers'	61 00			12 95	14 98		2 30				91 23
Grand River	59 50		965 23	26 37	17 89						1,068 99
Grey and Bruce			604 01	50 39							654 40
Guelph Township		152 75			16 61						169 36

Hay Township		212 25	2,611 72	14 73	33 02						2,871 72
Hopewell Creek	1 60		1,736 16	89 98	6 20						1,833 94
Howick Farmers'			4,159 95	614 15	52 10					184 50	5,010 70
Huron and Middlesex		20,587 19	8,713 84	824 18	146 00				1,648 77	353 03	32,273 01
Kent and Essex		505 46									505 46
Lambton Farmers'		6,940 76			254 69		1 00	318 20			7,514 65
Lennox and Addington			732 85	139 01		35 40			400 00		1,307 29
Lobo Township		464 12	354 64	30 24	38 66					0 90	888 56
London Township			1,438 03	46 79	67 66					9 35	1,561 83
McGillivray		856 60			221 45	476 65					1,554 70
McKillop			3,256 30	136 80			7 50		200 00		3,600 60
Nichol		219 87	5,167 99	653 13	47 23	82 34	27 10		5,950 00	25 00	12,172 66
Nissouri Farmers'			2,646 39	1,098 77			5 00		1,000 00		4,750 16
Norfolk Farmers'		1,125 96	1,495 74	75 54	6 76		94 25		1,691 25		4,489 50
Oneida	77 25		2 59		6 00		12 00				97 84
Otter							2 07		250 00	69 70	321 77
Oxford			991 41	78 20			3 40		250 00		1,323 01
Peel and Maryboro'	109 00	191 66	167 62	2 20			0 50				470 98
Peel County Farmers'		1,466 97	3,466 18	1,207 07	17 50		11 00				6,168 72
Puslinch	4 00	155 63		24 36							183 99
Saltfleet and Binbrook		391 43	79 61							0 80	471 84
Simcoe County	52 00		460 80	107 50					378 16		998 46
Southwold Farmers'	57 50		482 73	146 49							686 72
Sydenham	228 00	1,485 65	2,238 41	25 52	65 25						4,042 83
Townsend Farmers'	134 50	258 21									392 71
Usborne and Hibbert			1,260 03	182 20	10 00						1,452 23
Victoria		1,143 00	3,250 99	592 83	31 71	831 54	18 30			118 52	5,986 89
Walpole Farmers'	315 00	206 19	2,240 33	10 10	11 44				300 00		3,083 06
Waterloo North Farmers'			2 105 64	49 16					1,550 00		4,148 80
Wawanosh, West			3,776 92	232 92			17 50		600 00	52 76	4,680 10
Wellington		11,689 21	35,040 25	1,391 00	291 36		145 66	191 61		915 12	49,690 21
Westminster Township		133 76	2,254 21		479 64						2,867 61
Williams, East		166 05	289 84	92 00	107 33					35 90	691 12
Yarmouth		241 22	651 20	62 89	10 20		14 55				983 06
Total	1,788 16	78,690 43	141,101 84	13,023 84	5,837 71	4,058 98	482 13	15,509 25	26,090 38	3,087 82	289,670 54

PURELY MUTUAL FIRE INSURANCE COMPANIES.

EXPENDITURE FOR YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Losses.	Reinsurance.	Refund, Rebate and Returned Premiums.	Repayment of Loans.	Investments.	General Expense Account.	Agents' Commission, etc.	Law Arbitration and Division Court Costs.	Interest.	Statutory Assessments, etc.	All other Expenses.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Bay of Quinte	2,702 38		6 93	1,600 00		470 62	119 60		64 78	32 29		4,996 00
Bertie and Willoughby	1,493 90		93	600 00		206 06	112 72		36 90	22 87		2,473 38
Blanshard	1,490 00			1,210 20		126 25		20 00	105 76	24 79		2,977 00
Blenheim, North	23 40			252 52		98 48			16 00	24 83		415 23
Brant County	2,040 05			2,150 00		885 24	499 32	12 00	85 30	90 64		5,762 55
Bruce, West	1,441 20		4 00	1,000 00			247 74	6 50	52 65	19 10	13 00	2,784 19
Canadian Millers'	4,978 36	625 40	77 65		12,200 00	2,126 89				17 72		20,026 02
Caradoc Farmers'	550 00		7 73	31 35		109 16	34 50			13 94		746 68
Culross	17 00					130 72		4 25		18 08		170 05
Dereham and West Oxford	20 00		7 00			105 75				9 30		142 05
Dominion Grange	12,332 23	199 63	278 74	4,005 99		7,179 20	969 00	1,447 67	165 91	203 11	742 33	27,525 81
Dorchester, North and South	2,684 74		32 79			279 40				30 90	2 00	3,029 83
Downie	83 14		51			81 56				18 12		183 33
Dumfries N. and Waterloo S.	5,229 78					866 80		57 55		97 34	9 00	6,260 47
Dunwich Farmers'	1,832 00			900 00		164 90			22 91	15 85		2,935 66
Easthope, South	1,595 80					355 40				45 49		1,996 69
Economical	17,643 60	372 52	330 41			5,411 36	3,814 77	560 43		103 80		28,236 89
Elma Farmers'	639 50					152 02				15 80		807 32
Eramosa	791 66					177 27				14 67		983 60
Erie Farmers'	350 00					182 40				21 16		553 56
Formosa	37 00		5 08			199 88	85 50			23 78		351 24
Germania Farmers'						129 26				25 86		155 12
Grand River						225 76				15 24		241 00
Grey and Bruce	226 50					212 47	87 00			21 79		547 76
Guelph Township	813 50		142 02			81 00		5 00		16 60		1,058 12

Hay Township	1,481 32			100 00		376 75	138 20		2 80	50 00		2,149 07
Hopewell Creek	335 00					356 18	39 50			33 14		763 82
Howick Farmers'	2,069 72		184 50			1,023 25	157 00	18 00		79 60		3,532 07
Huron and Middlesex	16,860 53	126 38	1,196 66			4,570 97	5,245 21	477 26	443 10	53 65	60 00	29,033 76
Kent and Essex						151 95	2 75					154 70
Lambton Farmers'	7,374 88		177 86		1,190 00	841 25	797 25	203 45		78 27		10,662 96
Lennox and Addington	98 82			400 00		406 67	403 84		18 71	13 72		1,341 76
Lobo Township	682 00		82 69			133 41	96 00			14 22		1,008 32
London Township	13 00					190 56	92 50			22 92		318 98
McGillivray	20 00		9 35			133 75	111 00			13 50		287 60
McKillop	1,319 80		6 05	1,200 00		677 58	33 75	17 50	71 16	55 78		3,381 62
Nichol	5,188 72		16 61	5,950 00		712 99	163 50		365 68	51 72		12,449 22
Nissouri Farmers'	1,311 64			2,600 00		458 95		220 20	100 11	41 70		4,732 60
Norfolk Farmers'	2,613 60		14 30	1,091 25		763 20	86 25	10 00	115 34	32 37	5 70	4,732 01
Oneida Farmers'			2 40			96 00				15 57		113 97
Otter				188 24		109 70			16 21	7 62		321 77
Oxford Farmers'	514 30			450 00		221 05			9 95	23 36		1,218 66
Peel and Maryboro			3 64	100 00		224 20	109 00		4 67	7 63		449 14
Peel County Farmers'	2,539 25		23 86			1,304 63	321 50		8 75	81 14	32 35	4,311 48
Puslinch	20 00	23 92				20 20				16 30		80 42
Saltfleet and Binbrook	150 79					182 00	8 00			14 19		354 98
Simcoe County	332 50			354 78		220 50	74 00		6 00	10 68		998 46
Southwold Farmers'	5 00					222 65				20 09		247 74
Sydenham	2,615 69					624 01				63 00		3,302 70
Townsend Farmers'	162 00					283 05				28 26		473 31
Usborne and Hibbert	1,313 40					256 75	35 77			50 75		1,656 67
Victoria	714 83					3,519 12	588 51			33 46	6 25	4,862 17
Walpole Farmers'	2,173 75		5 19	350 00		380 35	115 00		12 25	35 31		3,071 85
Waterloo North Farmers'	1,076 50			2,350 00		652 77			32 15	63 32	35 48	4,210 22
Wawanosh, West	1,654 05		16 83	2,000 00		780 18			115 50	61 88		4,628 44
Wellington	40,099 05		962 89			6,839 58	5,167 64	140 21		96 38	176 90	53,482 65
Westminster Township	402 71					472 21				33 68		908 60
Williams, East	9 25		1 25			92 02		181 25		12 50		296 27
Yarmouth	1,387 85		1 25			188 77				17 95		1,595 82
Total	153,585 69	1,347 85	3,599 12	28,884 33	13,390 00	47,445 05	19,755 72	3,381 27	1,872 59	2,176 73	1,083 01	276,521 36

FIRE INSURANCE.—MUTUAL COMPANIES OF ALL CLASSES.

COMPARATIVE SUMMARY OF ASSETS AND PREMIUM NOTES FOR THE YEAR ENDING 31st DECEMBER, 1888.

Name of Company.	Gross Amount at Risk on Mutual Plan.	Premium Notes, unassessed	Surplus of General Assets over Liabilities.	New business taken during 1888.	Premium Notes taken during year 1888.	Rate per cent. of said Premium Notes to New Business.
	$ c.	$ c.	$ c.	$ c.	$ c.	
Bay of Quinte	1,128,100 00	21,090 12	21,072 64	312,470 00	9,585 90	
Bertie and Willoughby	899,672 00	24,083 30	24,448 26	361,320 00	11,130 12	
Blanshard	891,630 00	18,440 02	18,716 20	158,600 00	5,194 90	
Blenheim, North	882,150 00	36,540 00	37,115 79	232,650 00	6,979 50	
Brant County	3,78[illegible],381 00	102,753 84	103,805 12	759,840 00	28,870 80	
Bruce, West	736,125 00	23,925 84	24,328 59	176,100 00	6,908 50	
Canadian Millers'	600,550 00	45,805 90	65,336 87	270,950 00	31,874 00	
Caradoc Farmers'	440,096 00	10,737 11	10,626 58	92,190 00	2,765 70	
City Mutual, of London	614,673 00	35,589 42	35,772 58	319,148 00	27,716 81	
Culross	571,263 00	22,134 60	22,968 85	204,022 00	8,160 88	
Dereham and West Oxford	294,918 60	9,806 02	10,066 43	125,925 00	4,394 15	
Dominion Grange	8,291,677 00	146,890 81	161,884 21	2,427,220 00	67,281 37	
Dorchester, North and South	1,137,295 00	17,850 08	19,085 13	271,580 00	8,147 40	
Downie	646,655 00	19,044 80	19,249 85	145,985 00	4,679 45	
Dumfries, North, and Waterloo, South	4,019,334 00	172,150 58	173,456 68	933,050 00	40,782 83	
Dunwich	453,985 00	13,231 47	13,565 75	51,750 00	1,552 50	
Easthope, South	1,812,970 00	84,858 06	85,368 50	406,575 00	20,328 75	
Economical	4,330,712 00	163,304 00	205,954 56	1,847,340 00	95,695 00	
Elma Farmers'	541,819 00	24,511 43	24,592 92	101,855 00	5,092 75	
Eramosa	414,975 00	14,439 90	16,595 57	143,165 00	6,810 25	
Erie	693,385 00	15,538 73	15,952 96	143,525 00	4,375 75	
Fire Insurance Exchange	1,126,987 34	11,738 86	21,814 07	1,187,320 34	24,230 62	
Formosa	968,212 00	28,083 02	30,881 33	385,250 00	11,903 00	
Germania	997,165 00	28,783 67	29,142 32	300,075 00	10,994 12	
Gore District	2,890,273 00	148,354 77	228,820 75	1,248,630 00	101,420 00	
Grand River	457,811 09	12,690 85	14,225 86	137,255 00	4,181 82	
Grey and Bruce	774,849 00	27,730 64	29,756 32	316,551 00	13,500 28	
Guelph Township	503,450 00	22,552 45	22,677 51	166,400 00	7,826 00	
Hand-in-Hand	1,044,842 00	14,116 23	55,207 99	1,070,098 00	29,531 54	
Hay Township	1,955,192 00	51,899 58	52,696 63	387,445 00	12,196 60	

Hopewell Creek	1,307,828 00	63,091 40	64,757 98	319,781 00	17,061 27	
Howick Farmers'	3,097,783 00	131,036 22	134,365 73	846,728 00	41,781 30	
Huron and Middlesex	2,518,061 00	97,694 14	93,766 74	1,467,019 00	88,112 15	
Kent and Essex	129,250 00	3,971 91	4,229 17	129,250 00	4,481 27	
Lambton Farmers'	3,329,203 00	55,841 63	62,617 87	1,144,560 00	34,335 00	
Lennox and Addington	474,586 00	12,574 55	12,375 94	267,160 00	8,211 43	
Lobo Township	429,946 00	15,731 83	16,726 01	228,665 00	9,145 80	
London Township	783,413 00	17,214 52	19,154 30	249,386 00	7,524 24	
McGillivray	357,790 00	8,750 16	12,671 48	229,900 00	6,897 00	
McKillop	2,251,450 70	50,252 69	50,673 12	482,275 00	12,803 68	
Millers' and Manufacturers'	2,111,725 00	39,280 80	62,532 43	2,142,799 00	84,139 36	
Niehol	1,995,652 00	56,784 43	51,500 84	116,250 00	4,282 17	
Nissouri Farmers'	1,470,190 00	61,940 93	62,053 75	389,075 00	18,492 00	
Norfolk Farmers'	977,860 00	16,850 34	16,008 11	349,030 00	12,036 97	
Oneida Farmers'	467,910 00	11,948 67	12,075 51	171,505 00	5,260 15	
Ontario	1,370,114 00	50,518 99	30,027 59	488,638 00	34,023 61	
Otter	258,750 00	8,807 74	8,488 04	150,925 00	5,161 13	
Oxford Farmers'	866,855 00	30,044 50	30,266 72	130,025 00	5,194 50	
Peel and Maryboro'	240,380 00	6,855 67	7,039 24	136,645 00	4,058 10	
Peel Farmers'	3,415,005 50	68,362 93	71,492 45	922,795 50	28,793 22	
Perth County	3,874,380 00	106,069 95	124,282 48	1,557,420 00	63,628 72	
Puslinch	486,935 00	10,786 22	11,057 64	165,940 00	4,978 20	
Saltfleet and Binbrook	430,460 00	11,318 35	11,617 31	148,235 00	6,523 11	
Saugeen*	797,323 00	17,798 59	13,352 30	171,400 00	7,614 03	
Simcoe County	273,255 00	7,914 45	7,842 22	104,070 00	3,650 75	
Southwold Farmers'	603,800 00	10,225 78	10,877 96	164,860 00	4,944 00	
Sydenham	2,807,968 00	55,050 67	58,841 54	1,150,962 00	29,447 84	
Townsend Farmers'	1,031,105 00	24,564 04	24,736 49	401,350 00	12,845 35	
Usborne and Hibbert	2,112,940 00	37,611 74	38,659 81	531,715 00	13,078 23	
Victoria	1,189,748 00	41,302 60	44,232 03	374,585 00	20,018 16	
Walpole Farmers'	1,323,422 00	30,070 83	30,610 03	373,495 00	11,359 16	
Waterloo	3,887,206 67	169,401 26	196,007 20	1,415,248 00	97,468 84	
Waterloo, North, Farmers'	2,473,644 00	114,621 91	115,320 87	469,565 00	23,916 00	
Wawanosh, West	2,538,839 00	89,686 33	89,508 13	488,900 00	19,592 50	
Wellington	3,914,277 50	367,405 20	386,679 43	1,560,875 00	186,160 67	
Westminister Township	1,226,530 00	21,540 76	32,518 88	302,800 00	9,084 90	
Williams, East	315,610 00	6,691 39	7,701 78	95,925 00	2,877 75	
Yarmouth	553,255 00	10,885 83	11,173 59	99,090 00	2,973 20	
Total	101,600,616 71	3,308,676 23	3,632,789 33	31,922,040 84	1,560,066 25	

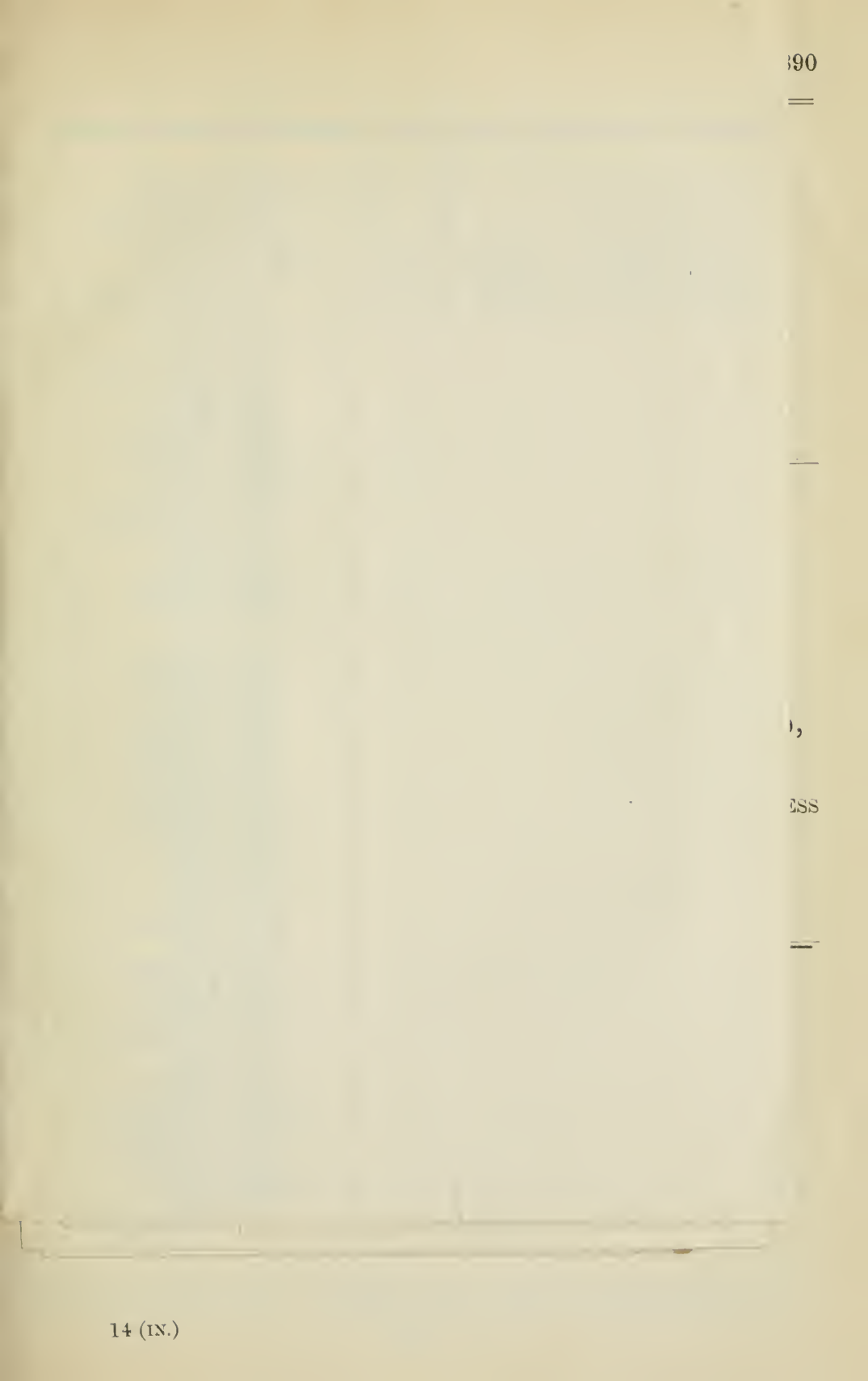
*The license of the Saugeen Mutual Fire Insurance Company expired on the 30th June, 1889, and was not renewed.

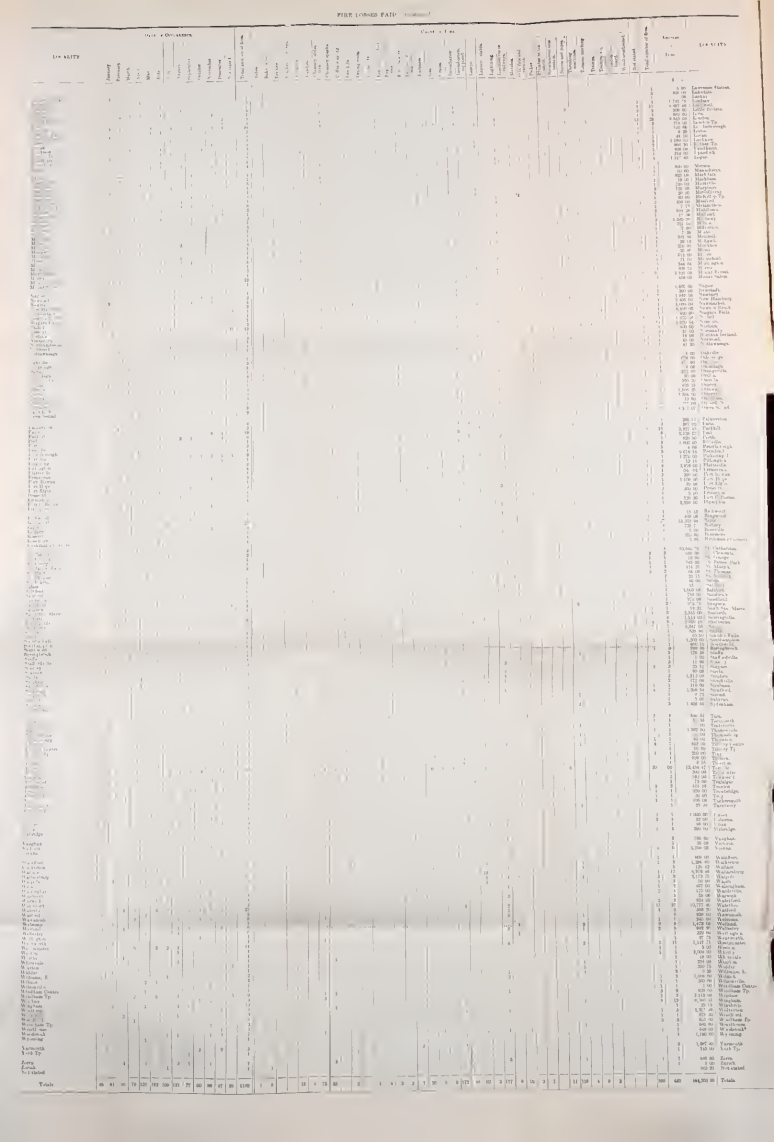
FIRE LOSSES FOR 1888.

SHEWING

(*a*) LOCALITIES, MONTHS OF OCCURRENCE, AND TOTAL CLAIMS PAID

(*b*) LOCALITIES, CAUSES, AND NUMBER OF LOSSES.





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FIRE-LOSSES PAID.

... showing Location, Months of Occurrence and Causes of Fire also the Amount of Losses sustained in each locality

INDEX REGISTER

OF

FIRE INSURANCE COMPANIES,

INCLUDING ALL COMPANIES AUTHORIZED TO TRANSACT BUSINESS AT THE DATE OF PUBLICATION OF THIS REPORT.

REGISTER OF FIRE INSURANCE COMPANIES, INCLUDING ALL OF PUBLICATION

Page.	Name of Company.	System.	Head Office.	President.
110	Bay of Quinté Agricultural.	Mutual	Picton	Archilaus Southard
144	Bertie&WilloughbyFarmers'	Mutual	Ridgeway	W. E. Ellsworth
181	Blanshard	Mutual	St. Mary's	W. F. Sanderson
63	Blenheim, North	Mutual	Chesterfield	Jos. Pettigrew
177	Brant County, Farmers'....	Mutual	Paris	Wm. Reddick
128	Bruce, West, Farmers'	Mutual	Kincardine	Robt. Baird
80	Canadian Millers'	Mutual	Hamilton	David Goldie
164	Caradoc Farmers'.	Mutual	Mount Brydges	Wm. Young
21	City Mutual of London	Cash Mutual	London	James Cowan
132	Culross	Mutual	Teeswater	Sam. Kirkland
158	Dereham and West Oxford.	Mutual	Mount Elgin	W. Nancekivell
117	Dominion Grange	Mutual	Owen Sound	Jesse Trull
67	Dorchester, North and South	Mutual	Harrietsville	Wm. Woods
100	Downie	Mutual	St. Paul's	Jas. Ballantyne
89	Dumfries, N., and Waterloo, S	Mutual	Galt	B. O. Howell
152	Dunwich Farmers'.	Mutual	Wallacetown	Angus Patterson
98	Easthope, South, Farmers'.	Mutual	Tavistock	Werner Youngblut
57	Economical	Mutual	Berlin	H. Kranz
175	Elma Farmers'	Mutual	Atwood	W. Shearer
102	Eramosa	Mutual	Rockwood	David Rea
136	Erie Farmers'	Mutual	Selkirk	Guye Culver
24	Fire Insurance Exchange..	Mutual & Guarantee	Toronto	Fred. Wyld
126	Formosa	Mutual	Formosa	And. Wæchter
124	Germania Farmers'	Mutual	Lot 4, con. 8, Tp. Normanby	Jno. Roedding
28	Gore District	Cash Mutual	Galt	James Young, Hon..
146	Grand River	Mutual	York	Chas. Walker
122	Grey and Bruce	Mutual	Hanover	David McNichol
85	Guelph Township ..	Mutual	Guelph	John Hobson
32	Hand-in-Hand	Mutual and Stock	Toronto	W. H. Howland
71	Hay Township Farmers' ...	Mutual	Zurich	Henry Heyrock
65	Hopewell Creek	Mutual	New Germany	Jos. L. Brohman
130	Howick Farmers'.	Mutual	Gorrie	Jas. Edgar
60	Huron and Middlesex....	Mutual	London	L. C. Leonard
166	Kent and Essex	Mutual	Wheatly	Wm. Wickwire
162	Lambton Farmers'	Mutual	Watford	Geo. Dewar
69	Lennox and Addington	Mutual	Napanee	John B. Aylesworth.

COMPANIES, AUTHORIZED TO TRANSACT BUSINESS AT THE DATE OF THIS REPORT.

Post Office.	Vice-President.	Post Office.	Secretary.	Post Office.
Picton	Andrew Wycott	Picton	J. Roland Brown	Picton.
Ridgeway	H. J. Beam	Black Creek	H. N. Hibbard	Ridgeway.
St. Mary's	Thos. Evans	St. Mary's	Geo. Moir	St. Mary's.
Ratho	Thos. Lockhart	Walmer	Geo. Middlemas	Chesterfield.
Brantford	Wm. Devlin	Mohawk	Wm. Turnbull	Paris.
Kincardine	Wm. Reekie	Arnow	Geo. Bissett	Kincardine.
Ayr	Wm. Snider	Waterloo	Seneca Jones	Hamilton.
Mount Brydges	J. J. Sutherland	Mount Brydges	W. E. Sawyer	Mount Brydges.
London	Jas. Armstrong, M.P.	Wilton Grove	J. B. Vining	London.
Teeswater	P. Clark	Teeswater	Alex. Adamson	Teeswater.
Ingersoll	Thos. Choate	Ingersoll	T. R. Mayberry	Salford.
Oshawa	W. Eyres	Cannington	R. J. Doyle	Owen Sound.
Crumlin	S. Charlton	Springfield	F. Kuntz	Harrietsville.
Sebringville	D. McIntosh	Avonbank	Peter Smith	Sebringville.
Ayr	Arch. Ferguson	Clyde	Wm. Deans	Galt.
Iona Station	Duncan Thomson	Cowal	John Galbraith	Iona Station.
Tavistock	Leonard Schaefer	Tavistock	Wm. S. Russell	Tavistock.
Berlin	J. Fennell	Berlin	W. Oelschlager	Berlin
Listowel	Jas. Donaldson	Atwood	Robt. Cleland	Listowel.
Fergus	Jas. W. Benham	Rockwood	Hugh Black	Rockwood.
Rainham Centre	C. T. Meadows	Bingham Road	J. W. Holmes	Selkirk.
Toronto	W. H. Howland	Toronto	Hugh Scott	Toronto.
Welkerton	John Scheele	Formosa	J. J. Schumacher	Formosa.
Alsfeldt	Chas. D. Knapp	Neustadt	Geo. Hopf	Moltke.
Galt	A. Warnock	Galt	R. S. Strong	Galt.
Cayuga	Wm. Dobbin	Blackheath	F. A. Nelles	York.
Lamlash	Hugh Wilson	Walkerton	Duncan Campbell	Hanover.
Mosborough	Thos. McCrae	Guelph	W. Whitelaw	Guelph.
Toronto	B. Homer Dixon	Toronto	Hugh Scott	Toronto.
Johnston's Mills	Thos. Yearly	Crediton	Henry Eilber	Crediton.
Weisenberg	John J. Laidlaw	Guelph	Anton Frank	New Germany.
Gorrie	Wm. McKercher	Wroxeter	T. F. Miller	Wroxeter.
London	D. M. Cameron	Strathroy	John Stephenson	London.
Wheatley	Stuart Musgrove	Windfall	Thos. C. Renwick	Romney.
Kertch	John Dallas	Thedford	W. G. Willoughby	Walnut.
Newburg	B. C. Lloyd	Napanee Mills	N. A. Caton	Napanee.

REGISTER OF FIRE INSURANCE COMPANIES, INCLUDING ALL

Page.	Name of Company.	System.	Head Office.	President.
87	Lobo Township	Mutual	Coldstream	D. Steel
91	London Township Farmers'	Mutual	Arva	E. Roberts
171	McGillivray	Mutual	West McGillivray	Andrew Robinson
106	McKillop	Mutual	Lot 17 con. 5, McKillop Tp.	Thos. E. Hayes
7	Mercantile	Stock	Waterloo	J. E. Bowman
36	Millers and Manufacturers'	Stock-Mutual	Toronto	James Goldie
104	Nichol	Mutual	Fergus	Wm. Taylor
160	Nissouri Farmers'	Mutual	Kintore	Alex. Wood
149	Norfolk Farmers'	Mutual	Simcoe	John Murphy
148	Oneida Farmers'	Mutual	York	James Fearman
39	Ontario	Cash-Mutual	London	A. McCormick
120	Otter	Mutual	Norwich	John Topham
168	Oxford Farmers'	Mutual	Embro	Alex. McCorquodale.
83	Peel and Maryborough	Mutual	Drayton	Caleb Lowes
179	Peel County Farmers'	Mutual	Brampton	Jas. Jackson
42	Perth County	Cash-Mutual	Stratford	Jas. Trow, M.P.
73	Puslinch	Mutual	Aberfoyle	Duncan McFarlane.
11	Queen City	Stock	Toronto	W. H. Howland
75	Saltfleet and Binbrook	Mutual	Elfrida	A. D. Lee
134	Simcoe County	Mutual	Keenansville	Geo. C. Morrow
150	Southwold Farmers'	Mutual	Sheddon	Dugald McColl
108	Sydenham	Mutual	Annan	Gideon Harkness
138	Townsend Farmers'	Mutual	Waterford	Oscar McMichael
115	Usborne and Hibbert	Mutual	Farquhar	David Mitchell
93	Victoria	Mutual	Hamilton	Geo. H. Mills
142	Walpole Farmers'	Mutual	Jarvis	Geo. Jepson.
45	Waterloo	Cash-Mutual	Waterloo	Chas. Hendry
96	Waterloo, North Farmers'	Mutual	Waterloo	Jacob S. Bitzner
113	Wawanosh, West	Mutual	Dungannon	Chas. Girvin
77	Wellington	Mutual	Guelph	Fred. W. Stone
156	Westminster Township	Mutual	Westminster	Jas. Craig
173	Williams, East	Mutual	Nairn	N. McTaggart
154	Yarmouth	Mutual	New Sarum	Jno. Gillis

In Liquidation: Globe Mutual Fire Insurance Company, Brantford, p. 170; Saugeen Mutual Fire "Dominion Winding-up Act,") to wind up the Saugeen Mutual Fire Insurance Com-

COMPANIES AUTHORIZED TO TRANSACT BUSINESS.—*Continued.*

Post Office.	Vice-President.	Post Office.	Secretary.	Post Office.
Lobo	Arch. Sinclair	Komoka	J. Marsh	Coldstream.
Bryanston	J. Abray	Arva	Edward Dann	Bryanston
West McGillivray	Wm. Wright	West McGillivray	Wm. Fraser	W. McGillivray.
Seaforth	Donald Ross	Clinton	W. J. Shannon	Seaforth.
Waterloo	John Shuh	Waterloo	P. H. Sims	Waterloo.
Guelph	W. H. Howland	Toronto	Douglas Sutton	Toronto.
Fergus	Charles Nicklin	Ponsonby	John Beattie	Fergus.
St. Mary	Wm. Gerrie	Ingersoll	E. J. Pearson	Kintore.
Silverhill	Wm. Dawson	Victoria	Chas. R. Brown	Simcoe.
York	Alonzo Young	Decewsville	John Senn	York.
London	Jas. Eagan	London	P. F. Boyle	London.
Burgessville	Seneca Pitcher	Norwich	H. J. Dager	Norwich.
Nissouri	Philip McDonald	Kintore	James Munro	Embro.
Bosworth	James Cross	Drayton	W. H. Stubbs	Drayton.
Mount Charles	T. S. Mason	Lisgar	L. Cheyne	Brampton.
Perth	Wm. Mowat	Stratford	Chas. Packart	Stratford.
Aberfoyle	John Clark	Morriston	Jas. Scott	Aberfoyle.
Toronto	James Austin	Toronto	Thomas Walmsley.	Toronto.
Stoney Creek	Wm. Martin	Binbrook	J. C. Harris	Hamilton.
Keenansville	Jas. Butt	Alliston	T. R. Carmichael	Tottenham.
Iowa	John Andrews	St. Thomas	R. N. Stafford	Sheddon.
Annan	Jas. Gardner	Meaford	Hugh Reid	Annan.
Waterford	Wm. P. Skirrow	Bloomsburg	L. N. Collver	Waterford.
Staffa	R. H. Bain	Fullarton	Thos. Cameron	Farquhar.
Hamilton	Jas. Cummings	Hamilton	W. D. Booker	Hamilton.
Selkirk	John Craddock	Springvale	Geo. Miller	Jarvis.
Waterloo	Geo. Randall	Waterloo	C. M. Taylor	Waterloo.
Breslau	Josiah Hallman	Washington	Levi Stauffer	Waterloo.
Nile	Thos. Morrish	Carlow	T. M. Roberts	Dungannon.
Guelph	Geo. Randall	Waterloo	Chas. Davidson	Guelph.
London	R. G. Rose	Glanworth	Henry Anderson	Wilton Grove.
Nairn	Wm. Ross	Nairn	Wm. McCallum	Nairn.
St. Thomas			W. H. Elliott	New Sarum.

Insurance Company, Mount Forest, p. 75. On 5th November, 1889, an order was made (under the pany, and Mr. L. H. Yeomans, of Mount Forest, was appointed interim liquidator.

REPORT

RELATING TO THE REGISTRATION OF

BIRTHS, MARRIAGES AND DEATHS,

IN THE

PROVINCE OF ONTARIO,

FOR THE YEAR ENDING 31st DECEMBER.

1888.

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY.

TORONTO:
PRINTED BY WARWICK & SONS, 68 AND 70 FRONT STREET WEST,
1889.

REGISTRAR GENERAL'S OFFICE, ONTARIO,
TORONTO, December 2nd, 1889.

To His Honour Sir Alexander Campbell, K.C. M.G.
Lieutenant-Governor of the Province of Ontario.

MAY IT PLEASE YOUR HONOUR:

In compliance with the Statute in that behalf, the undersigned respectfully presents to Your Honour the Annual Report of Births, Marriages and Deaths for the year ending 31st December, 1888.

Respectfully submitted,

CHARLES DRURY,
Registrar-General.

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REPORT

RELATING TO THE

REGISTRATION OF BIRTHS, MARRIAGES AND DEATHS

IN THE

PROVINCE OF ONTARIO,

FOR THE YEAR ENDING 31st DECEMBER, 1888.

PARLIAMENT BUILDINGS,
TORONTO, December 2nd, 1889.

To the Honourable CHARLES DRURY,
Registrar-General, Province of Ontario.

SIR,—I have the honour to present the Annual Report of the return of Births, Marriages and Deaths registered in the Province for the year ending 31st December, 1888.

According to these returns the Births numbered 46,953; the Marriages 14,551, and the Deaths 23,734; numbering 85,238 registrations, an increase of 1,049 Births, of 91 Marriages, and of 320 deaths, being a total of 1,460 registrations over that of 1887.

Estimating the population of the Province to be 2,148,971, the ratio per 1,000 living would be, for Births, 21.8 per 1,000; for Marriages, 6.7 per 1,000; and for Deaths, 11.0 per 1,000. These ratios, when compared with those for 1887, shew a very slight increase for Births, and a small decrease for Marriages and Deaths, indicating that although there was an actual increase in the number of Marriages and Deaths registered, yet the increase was not equal in proportion to the increase in population.

BIRTHS.

(*See Table 1, 2 and 3, Pages 5, 6, 7 and 8.*)

The Births registered in the whole Province in 1888 numbered 46,953, an increase of 1,049 over the number registered in 1887, and were in the proportion of 21.8 to 1,000 persons living.

The Births in the cities numbered 8,880; an increase of 321, and a proportion of 27.0 per 1,000. In the principal towns they numbered 2,617, an increase of 240, and a proportion of 23.4 per 1,000. In the rural districts the number registered was 35,456, a proportion of 20.7 per 1,000 living.

The Districts of Algoma and Muskoka and Parry Sound returned large increases in Births, viz., 456 and 251 respectively, chiefly owing to the organization of new municipalities with proper officials to collect and return vital statistics. Twenty-three counties in 1888 registered more Births than in 1887, particularly the counties of Carleton, York, Middlesex, Lambton, Kent and Frontenac. The falling off was principally in the counties of Prescott and Russell (united), Brant, Lennox and Addington, Peterborough, Huron, Hastings and Prince Edward.

The returns of Births for the last few years shew that those counties, cities and towns which for one year returned an increase in the number of Births registered over the previous year, generally returned a decrease the following year, and contrariwise, those which returned a decrease in one year returned an increase the following year. This is exemplified in the registration reports of 1886, 1887 and 1888. In the year 1887 the returns from eight counties, viz., Brant, Essex, Grey, Haldimand, Huron, Lennox and Addington, Peterborough, Prince Edward and the District of Haliburton, shewed an increase in the number of Births registered as compared with the number in 1886, whereas the same localities in 1888 shewed a decrease in the number of Birth registrations. Again, the following twelve counties, viz., Carleton, Halton, Kent, Lambton, Leeds and Grenville (united), Lincoln, Ontario, Oxford, Perth, Renfrew, Victoria and Welland, exhibited a decrease in the number of registrations of Births in 1887 as compared with 1886. In 1888, however, the same counties shewed an increase over the number registered in 1887.

Four of the eleven cities, London, Kingston, Brantford and Guelph, returned an increase in the number of Births in 1887 over the number returned in 1886. In 1888 they returned a decrease; and in three of the other cities, Ottawa, St. Thomas and St. Catharines, there was a decrease in 1887 and an increase in 1888. The change was the greatest in Ottawa. In 1886 that city returned 244 more births than in 1885. In 1887 the registration of Births was 375 less than in 1886, and in 1888 they numbered 353 more than in 1887.

The return of Births received from the city of Toronto shew a steady increase in numbers every year.

SEX.

(*See Table 4, 5 and 6, Pages 10 and 11.*)

There were 24,354 male and 22,599 female births in 1888, a proportion of 107.6 males to 100 females, not quite so great as in 1887. The largest excess of male over female births during the last ten years was in 1885, the proportion in that year was 109 males to 100 females.

The month which gave the largest excess was in October, 112.3 to 100, and the smallest in November, 100.8 to 100.

In the cities, the proportion of male to female births was much larger than in the rest of the Province; in the former it was 110.8 to 100, and in the latter 107 to 100.

The month of January returned the largest excess of male births in the cities, 125.3 to 100, and July the least, 100.9 to 100 female births.

Season.

(*See Table 7 and 8, Page 12.*)

March, as usual, returned the highest number of Births, 4,189, and November the lowest, 3,569. December held the lowest place in 1887. The difference between the two extremes was 620. The first and third quarters returned more Births than the other two quarters.

Twins and Triplets.

(*See Table 9, Page 13.*)

The births of twin children appear to be decreasing. In 1887 the number registered was 72 pairs less than in 1886; in 1888 the number was 54 pairs less than in 1887.

No cases of triplets were registered in 1887. In 1888 three cases were reported, viz., one from the county of Middlesex, one from the united counties of Stormont, Dundas and Glengarry, and one from the county of Welland.

Illegitimate Births.

There has been great disparity between the number of illegitimate births registered in different years, as the following abstracts shew:

In 1883 there were 989 illegitimate births.
1884 " " 644, a decrease of 345.
1885 " " 621, " 23.
1886 " " 671, an increase of 50.
1887 " " 396, a decrease of 275.
1888 " " 618, an increase of 222.

No other cause can be assigned for these sudden changes than that a number of these births were not registered in certain years. No accurate conclusions can therefore be drawn from these irregular data as to whether the births of illegitimate children are on the increase or decrease in this Province.

MARRIAGES.

(*See Tables 1, 2 and 3, Pages 5, 6, 7 and 8.*)

The Marriages registered in 1888 numbered 14,551, an increase of 91 over 1887, giving a rate of 13.4 persons married to 1,000 living. In the cities the number returned was 3,512, an increase of 65 marriages and a rate of 21.4 persons married to 1,000 living. In the principal towns the total marriages numbered 1,454, and a rate of 26 persons married to 1,000 living; while in the rural districts the rate was only 11.4 per 1,000. Residents of rural districts are often compelled to resort to cities and towns, where the clergymen chiefly reside, to celebrate their marriages, and as all marriages are required by the Registration Act to be registered in the municipality in which they are celebrated, the ratio of marriages to population in cities and towns is increased by these marriages above their normal rate, and correspondingly decreased in the rural districts.

According to the statistics of other countries a ratio of from 14 to 16 persons married, or 7 to 8 marriages to 1,000 persons living, is generally considered a fair average rate.

Denominations.

(*See Table 10, Page 16.*)

The largest number of persons married in 1888 gave as their religious persuasion when married that of Methodists, then follow in numerical order Presbyterians, Episcopalians and Roman Catholics. The Quakers returned the fewest marriages—only 80 marriages having been celebrated by them. The returns also shew that there were less marriages in 1888 than in 1887 amongst the Methodists, Presbyterians, Roman Catholics and Lutherans, and more amongst the Episcopalians, Baptists, Congregationalists, Evangelical Association and Quakers. These increases and decreases were not, however, sufficiently large to affect materially the percentage to the whole number of marriages.

Months.

(*See Table 11, Page 17.*)

As usual the largest number of marriages took place in the month of December, and in the fourth quarter of the year; the smallest number occurred in August, and in the third quarter. The great difference in the percentage of marriages for December and August was very striking. The returns shew that 11.5 per cent. of all the marriages took place in December, while only 6.2 per cent. occurred in August. The reason of this has been pointed out in former reports.

Ages.

(*See Table 12, Page 18.*)

During the year, 2,767 persons were married under 20 years of age; of this number 2,560 were females and 207 males. In the next period, between 20 and 25 years, 11,566 persons were married, 6,578 females and 4,988 males, shewing that the proportion of females to males was not nearly so great as in the preceding period. In every other period of life the ages of the males when married exceeded those of the females.

The following table shews the number and percentage of males and females married in each period of life:—

PERIOD.	Males.		Females.	
	Number.	Per Cent.	Number.	Per Cent.
Under 20 years	207	1.4 per cent.	2560	17.6 per cent.
Between 20 and 25 years	4988	34.1 "	6578	45.3 "
" 25 " 30 "	5272	36.2 "	3365	23.1 "
" 30 " 35 "	1987	13.7 "	1016	7.0 "
" 35 " 40 "	923	6.4 "	472	3.3 "
" 40 " 45 "	420	3.0 "	212	1.4 "
" 45 " 50 "	264	1.7 "	144	1.0 "
" 50 " 55 "	171	1.2 "	73	.51 "
" 55 " 60 "	106	.7 "	36	.20 "
" 60 " 65 "	93	.6 "	39	.21 "
" 65 " 70 "	45	.4 "	9	.06 "
70 years and over	29	.2 "	2	.01 "
Ages not given	46	.4 "	45	.31 "
	14551	100.00 per cent.	14551	100.00 per cent.

Marriages at 70 Years and Over.

(*See Table 13, Page 19.*)

There were 31 persons married at 70 years and over, 29 bridegrooms and 2 brides. The oldest bridegroom was 84 years, and the oldest bride 72 years. The united ages of the oldest couple married were 148; their respective ages were 78 and 70 years. The greatest disparity between the ages of any couple married was that of a man 84 years old, who took for his wife a girl of the age of seventeen years. This marriage took place in the united counties of Northumberland and Durham. Another bridegroom was 73 years of age when married and his bride only 21 years of age.

Youthful Marriages.

Amongst the marriages of persons of youthful age, the returns shew that nine girls were married at the early age of 14 years, and 25 at 15 years. No youths were married at those juvenile ages, although two were married at the age of 17, and 7 at 18 years. The united ages of the youngest couple when married were only 31 years; the bridegroom being 17 and his bride 14 years. They were married in the county of Norfolk.

TABLE I.

TABLE shewing the total number of Births, Marriages and Deaths in each County in 1887 and 1888.

COUNTIES.	Population.	BIRTHS.				MARRIAGES.				DEATHS.				TOTALS.				RATIO TO 1,000 OF THE POPULATION.		
		Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Births.	Marriages.	Deaths.
Algoma	30350	550	1006	456	.....	170	194	24	.....	275	225	.....	50	995	1425	430	.....	33.1	6.3	7.4
Brant	37239	886	763	.....	123	278	264	.....	14	392	418	26	.....	1556	1445	.....	111	24.1	7.0	11.2
Bruce	71244	1476	1520	44	.....	489	408	.....	81	597	553	.....	44	2562	2481	.....	81	21.3	5.7	7.7
Carleton	70513	2268	2647	379	.....	627	619	.....	8	1225	1382	157	.....	4120	4648	528	.....	37.5	8.8	19.6
Dufferin	22589	529	512	.....	17	169	159	.....	10	284	205	.....	79	982	876	.....	106	23.1	7.0	9.1
Elgin	46597	899	951	52	.....	291	349	58	.....	423	532	109	.....	1613	1832	219	.....	20.4	7.4	11.4
Essex	51218	1521	1458	.....	63	434	619	185	.....	740	812	72	.....	2695	2889	194	.....	28.4	12.8	15.8
Frontenac	46812	899	969	70	.....	307	313	6	.....	602	478	.....	124	1808	1760	.....	48	20.7	6.6	10.2
Grey	77582	1466	1419	.....	56	460	425	.....	35	632	591	.....	41	2558	2435	.....	123	18.2	5.4	7.6
Haldimand	27491	578	496	.....	82	156	142	.....	14	243	274	31	.....	977	912	.....	65	18.0	5.2	10.0
Halton	24112	427	462	35	.....	131	109	.....	22	221	229	8	.....	779	800	21	.....	19.2	4.5	9.4
Haliburton	6511	176	172	.....	4	41	47	6	.....	84	49	.....	35	301	268	.....	33	26.4	7.2	7.3
Hastings	60712	1191	1113	.....	78	380	458	78	.....	668	650	.....	18	2239	2221	.....	18	18.3	7.5	10.7
Huron	84179	1571	1476	.....	95	388	440	52	.....	679	632	.....	47	2638	2548	.....	90	17.5	5.2	7.5
Kent	59769	1035	1223	88	.....	473	419	.....	54	582	532	.....	50	2090	2174	84	.....	20.4	7.0	9.0
Lambton	57238	1188	1299	111	.....	332	363	31	.....	556	559	3	.....	2076	2221	145	.....	22.7	6.3	9.8
Lanark	37372	745	719	.....	26	293	275	.....	18	368	345	.....	23	1406	1339	.....	67	19.2	8.1	9.2
Leeds and Grenville	66181	969	993	24	.....	443	424	.....	19	530	591	61	.....	1942	2008	66	.....	15.0	6.4	8.9
Lennox and Addington	29133	466	349	.....	117	188	173	.....	15	245	216	.....	29	899	738	.....	161	12.0	6.0	7.4
Lincoln	34719	606	669	63	.....	209	218	9	.....	409	457	48	.....	1224	1344	120	.....	19.2	6.3	13.1
Middlesex	102389	1827	1962	135	.....	609	634	25	.....	1101	1064	.....	37	3537	3660	123	.....	19.1	6.1	10.4
Muskoka and Parry Sound	39926	1054	1205	251	.....	244	228	.....	16	343	395	52	.....	1641	1828	187	.....	30.2	5.7	10.0
Norfolk	36879	647	592	.....	55	214	231	17	.....	261	321	60	.....	1122	1144	22	.....	16.0	6.2	8.7
Northumberland and Durham	85129	1356	1391	35	.....	466	464	.....	2	743	751	8	.....	2565	2606	41	.....	16.3	5.4	8.8
Ontario	53693	998	1034	36	.....	272	273	1	.....	515	537	22	.....	1785	1844	59	.....	19.2	5.1	10 0
Oxford	55176	1028	1056	28	.....	343	373	30	.....	587	626	39	.....	1958	2055	97	.....	19.1	6.7	11.3

TABLE 1.

TABLE shewing the total number of Births, Marriages and Deaths in each County in 1887 and 1888.—*Continued.*

COUNTIES.	Population.	BIRTHS.				MARRIAGES.				DEATHS.				TOTALS.				RATIO TO 1,000 OF THE POPULATION		
		Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Births.	Marriages.	Deaths.
Peel	28793	507	499	.....	8	153	158	5	.....	289	312	23	.....	948	969	21	.....	17.3	5.5	11.0
Perth	59055	1123	1131	8	.....	363	365	2	.....	530	490	.....	40	2016	1986	.....	30	20.0	6.1	8.4
Peterborough	33270	849	747	.....	102	246	226	.....	20	324	353	29	.....	1419	1326	.....	93	22.4	6.7	10.6
Prescott and Russell	41826	1401	1181	.....	220	262	206	.....	56	623	548	.....	75	2286	1935	.....	351	28.2	4.9	13.1
Prince Edward	23149	366	286	.....	80	144	151	7	.....	235	265	30	.....	745	702	.....	43	12.4	6.9	11.4
Renfrew	44271	1154	1214	60	.....	310	273	.....	37	380	364	.....	16	1844	1851	7	.....	27.4	6.1	8.2
Simcoe	82394	1710	1762	52	.....	514	476	.....	38	651	655	4	.....	2875	2893	18	.....	21.3	5.8	8.0
Stormont, Dundas & Glengarry	72618	1202	1245	43	.....	416	421	5	.....	593	618	25	.....	2211	2284	73	.....	17.1	5.8	8.5
Victoria	37021	755	781	26	.....	233	198	.....	35	322	286	.....	36	1310	1265	.....	45	21.1	5.3	7.7
Waterloo	47008	1404	1439	35	.....	394	372	.....	22	526	668	142	.....	2324	2479	155	.....	30.6	8.0	14.2
Welland	34948	682	701	19	.....	204	155	.....	49	314	380	66	.....	1200	1236	36	.....	20.0	4.1	10.9
Wellington	72808	1345	1286	.....	59	399	401	2	.....	699	665	.....	34	2443	2352	.....	91	17.6	5.5	9.1
Wentworth	73649	1857	1804	.....	43	568	580	12	.....	1205	1163	.....	42	3630	3547	.....	83	24.5	7.9	15.8
York	183408	5194	5421	227	.....	1847	1948	101	.....	3418	3543	125	.....	10459	10912	453	.....	29.5	10.6	19.3
Totals	2148971	45904	46953	2277	1228	14460	14551	756	565	23414	23734	1040	820	83778	85238	3099	1639	21.8	6.7	11.0
		Increase in Births, 1049.				Increase in Marriages, 91.				Increase in Deaths, 320.				Total Increase B. M. D., 1460.						

TABLE 2.

TABLE shewing the total number of Births, Marriages and Deaths in each City in 1887 and 1888.

CITIES.	Population as returned by the Assessors.	BIRTHS.				MARRIAGES.				DEATHS.				TOTALS.				RATIO TO 1,000 OF THE POPULATION.		
		Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Births.	Marriages.	Deaths.
Toronto	139432	3677	3901	224	.....	1479	1582	103	....	2688	2839	151	...	7844	8322	478	....	28.0	11.3	20.3
Hamilton	43082	1126	1080	.....	46	420	396	....	24	687	720	33	....	2233	2196	.....	37	25.0	9.2	16.0
Ottawa	40000	1349	1702	353	....	465	464	....	1	840	958	118	....	2654	3124	470	.....	42.0	11.6	23.9
London	26786	610	516	.....	94	263	261	....	2	422	381	....	41	1295	1158	.....	137	19.2	9.7	14.2
Kingston	16216	442	331	.....	111	189	139	....	50	287	188	....	99	918	658	.....	260	20.4	8.5	11.6
Brantford	13054	325	340	15	.....	147	133	....	14	192	208	16	....	664	681	17	....	26.0	10.1	15.9
St. Thomas	10476	229	240	11	.....	123	154	31	....	154	132	....	22	506	526	20	.....	23.0	14.7	12.6
Guelph	10113	270	261	.....	9	96	93	....	3	177	175	...	2	543	529	....	14	25.0	9.0	16.8
St. Catharines	10080	151	175	24	.....	97	98	1	....	171	208	37	....	419	481	62	.....	17.3	9.7	20.6
Belleville	10269	216	170	.....	46	89	103	14	....	176	140	....	36	481	413	.....	68	16.5	10.0	13.6
Stratford	9002	164	164	.....	.....	79	89	10	....	100	101	1	....	343	354	11	.....	18.2	9.8	11.2
	328810	8559	8880	627	306	3447	3512	159	94	5894	6050	356	200	17900	18442	1058	516	27.0	10.7	18.4
		Increase in Births, 321.				Increase in Marriages 65.				Increase in Deaths, 156.				Total Increase, B. M. D., 542.						

TABLE 3.

TABLE shewing the total number of Births, Marriages and Deaths in the Principal Towns in 1887 and 1888.

PRINCIPAL TOWNS.	Population as returned by the Assessors.	BIRTHS.				MARRIAGES.				DEATHS.				TOTALS.				RATIO TO 1,000 OF THE POPULATION.		
		Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Number in 1887.	Number in 1888.	Increase.	Decrease.	Births.	Marriages.	Deaths.
Barrie	5387	104	97	.....	7	81	46	.....	35	60	60	....	....	245	203	....	42	18.0	8.5	11.1
Berlin	6810	177	192	15	.....	75	71	.....	4	93	100	7	....	345	363	18	....	28.2	10.4	14.6
Brampton	3297	70	64	.....	6	38	36	.....	2	71	91	20	....	179	191	12	....	19.4	10.9	27.6
Brockville	8826	148	167	19	.....	103	81	.....	22	123	132	9	....	374	380	6	....	20.0	9.7	15.8
Chatham	8329	105	139	34	.....	149	108	.....	41	85	102	17	....	339	349	10	....	16.7	12.9	12.2
Cobourg	4692	122	107	.....	15	42	23	.....	19	69	66	....	3	233	196	....	37	21.8	5.0	14.0
Cornwall	6402	116	118	2	.....	79	57	.....	22	51	75	24	....	246	250	4	....	18.4	8.9	11.7
Galt	7162	203	186	.....	17	60	60	.....	.....	108	120	12	....	371	366	....	5	25.9	8.3	16.7
Lindsay	5789	123	101	.....	22	80	79	.....	1	67	59	....	8	270	239	....	31	17.4	13.6	10.2
Napanee	3201	60	66	6	.....	58	65	7	.....	52	56	4	....	170	187	17	....	20.6	20.1	17.4
Owen Sound	6359	127	276	149	.....	74	118	44	.....	65	94	29	....	266	488	222	....	43.4	18.5	14.7
Pembroke	4146	145	189	44	.....	90	42	.....	48	59	57	....	2	294	288	....	6	45.5	10.1	13.7
Perth	3976	122	85	.....	37	68	52	.....	16	48	64	16	....	238	201	....	37	21.4	13.1	16.1
Peterborough	8989	222	254	32	.....	149	112	.....	37	113	120	7	....	484	486	2	....	28.2	12.4	13.3
Picton	3000	42	41	.....	1	62	49	.....	13	40	53	13	....	144	143	....	1	13.6	12.2	13.2
Port Hope	5161	88	89	1	.....	67	55	.....	12	56	51	....	5	211	195	....	16	17.2	10.6	10.0
Whitby	2886	42	60	18	.....	25	26	1	.....	58	51	....	7	125	137	12	....	20.7	9.0	17.6
Windsor	9041	198	215	17	.....	146	271	125	.....	102	117	15	....	446	603	157	....	23.7	30.0	12.9
Woodstock	8314	163	171	8	.....	56	103	47	.....	110	126	16	....	329	400	71	....	20.6	12.4	15.1
Totals	111767	2377	2617	345	100	1502	1454	224	272	1430	1594	189	25	5309	5665	531	175	23.4	13.0	14.3
		Increase in Births, 240.				Decrease in Marriages, 48.				Increase in Deaths, 164.				Total increase in B., M. and D., 356.						

BIRTHS.

TABLE 4.

Births by Months in the Province, 1888, shewing the proportion of Male to Female Births.

SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males	2050	2038	2154	1984	1928	1994	2074	2168	2134	2100	1792	1938	24354
Females	1885	1954	2035	1846	1782	1789	1943	1950	1961	1869	1777	1808	22599
Total.....	3935	3992	4189	3839	3710	3783	4017	4118	4095	3969	3569	3746	46953
Male births to 100 female births	108.7	104.3	105.8	107.4	108.1	111.4	106.7	111.1	108.8	112.3	100.8	107.1	107.6

TABLE 5.

CITIES.

SEX.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Males	415	362	431	406	354	354	413	428	441	410	340	362	4716
Females	331	355	376	377	325	320	409	378	364	366	336	319	4256
Total.....	746	717	807	783	679	674	822	806	805	776	676	681	8972
Male births to 100 female births	125.3	119.7	115.6	107.7	108.9	110.6	100.9	113.2	121.1	112.0	101.2	110.3	110.8

TABLE 6.

Shewing the number of Births and Deaths during the last ten years, also excess of males over females.

Year.	Sex.	BIRTHS. No.	BIRTHS. Excess of males.	DEATHS. Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 and over.	Ages not given.	Total.	Excess of males.
1879	Males....	21343	1651	2204	1128	400	200	271	702	537	549	643	854	961	602	145	262	9458	958
	Females.	19692	.....	1665	1031	377	233	353	920	668	563	523	632	714	469	124	228	8500	.....
1880	Males....	22019	1726	2419	1465	518	246	315	764	519	578	607	844	1020	614	117	264	10290	778
	Females.	20293	.....	1960	1330	458	238	398	1021	673	564	512	624	783	498	118	335	9512	.....
1881	Males....	21147	1580	2940	1563	588	347	391	885	613	675	703	891	1103	673	144	309	11825	829
	Females.	19567	.....	2306	1557	556	303	458	1142	838	627	575	658	955	596	121	304	10996	.....
1882	Males....	21901	1373	2630	1507	572	287	402	836	593	631	692	869	1056	700	141	319	11235	670
	Females.	20528	.....	2244	1435	573	306	454	1094	766	570	565	731	896	550	132	244	10565	.....
1883	Males....	22115	1259	2759	1181	410	271	357	934	653	625	700	876	1050	665	123	349	10953	857
	Females.	20866	.....	2123	1034	415	294	455	1171	866	624	583	681	853	589	100	308	10096	.....
1884	Males....	22594	1484	2996	1104	417	243	344	893	602	612	703	913	1262	751	136	315	11291	880
	Females.	21510	.....	2246	1053	389	271	438	1182	875	655	582	704	989	616	130	281	10411	.....
1885	Males....	23587	1946	2750	1222	512	267	351	926	694	666	711	968	1197	742	142	302	11450	795
	Females.	21641	.....	2105	1077	439	300	418	1277	911	709	647	733	979	629	145	286	10655	.....
1886	Males....	24071	1684	2936	1467	558	265	378	935	650	646	722	923	1210	799	128	305	11922	660
	Females.	22387	.....	2357	1338	599	329	456	1114	871	687	654	770	953	687	133	314	11262	.....
1887	Males....	23859	1814	3004	1307	563	310	361	973	667	666	781	986	1337	817	135	296	12203	992
	Females.	22045	.....	2337	1146	551	336	452	1181	853	668	705	812	1073	665	141	291	11211	....
1888	Males....	24354	1755	3302	1304	500	311	410	949	659	697	841	1129	1356	762	160	134	12514	1294
	Females.	22599	.....	2577	1145	487	321	440	1128	828	708	693	881	1088	641	178	105	11220	....
Total for 10 years	Males....	227398	.....	27940	13248	5038	2147	3580	8797	6187	6345	7103	9253	11562	7125	1371	2855	113141	.....
	Females.	221128	.....	21920	12146	4849	2931	4322	11230	8149	6375	6039	7226	9283	5940	1322	2696	104428	.....
Grand total	.....	438526	16270	49860	25394	9887	5678	7902	20027	14336	12720	13142	16479	20845	13065	2693	5551	217569	8713

TABLE 7.

Order of Births, by Months in 1887 and 1888.

MONTHS.	1887.			MONTHS.	1888.		
	Males.	Females.	Total.		Males.	Females.	Total.
March	2238	2103	4341	March	2154	2035	4189
April	2078	1937	4015	August	2168	1950	4118
September	2063	1854	3917	September	2134	1961	4095
August	1979	1912	3819	July	2074	1943	4017
May	1988	1882	3880	February	2038	1954	3992
January	1993	1860	3853	October	2100	1869	3969
October	2042	1759	3801	January	2050	1885	3935
July	1972	1802	3774	April	1984	1846	3830
February	1917	1800	3717	June	1994	1789	3783
November	1860	1820	3680	December	1938	1808	3746
June	1906	1699	3605	May	1928	1782	3710
December	1813	1617	3430	November	1792	1777	3569
Total	23859	22045	45904	Total	24354	22599	46953

TABLE 8.

Quarterly Return of Births in 1887 and 1888.

QUARTERS.	1887.			1888.		
	Males.	Females.	Total.	Males.	Females.	Total.
Quarter ending March 31st	6148	5763	11911	6242	5874	12116
" June 30th	5982	5518	11500	5906	5417	11323
" September 30th	6014	5568	11582	6376	5854	12230
" December 31st	5715	5196	10911	5830	5454	11284
Total	23859	22045	45904	24354	22599	46953

TABLE 9.

Illegitimate Births, Twins and Triplets.

YEAR.	Illegitimate Births.			No. of Pairs of Twins.	No. of Cases of Triplets.
	No.	Population to the whole Number of Births.	Ratio to every 1,000 Births.		
1879	524	One in every 78 Births	12.7	378	1
1880	671	" 63 "	15.8	407	6
1881	748	" 54 "	18.3	384	3
1882	966	" 43 "	22.7	389	5
1883	989	" 43 "	23.0	377	8
1884	644	" 69 "	14.4	382	8
1885	621	" 72 "	13.7	238	7
1886	671	" 69 "	14.4	375	3
1887	396	" 116 "	8.6	303	.....
1888	618	" 76 "	13.1	249	3
Average for 10 years	684		.....	348	4.4

MARRIAGES.

TABLE 10.

Marriages by Denominations, with Percentage and Proportion to the whole.

DENOMINATIONS.	Number of persons married.	Per cent. of the whole.	Proportion to the whole number of persons married.
Methodists	10,057	34.6	1 in every 5.7 persons married.
Presbyterians	5,731	19.7	1 " 10.6 "
Episcopalians	5,209	18.0	1 " 11.1 "
Roman Catholics	4,043	13.8	1 " 14.4 "
Baptists	1,582	5.5	1 " 36.8 "
Lutherans	591	2.1	1 " 98.5 "
Congregationalists	565	1.9	1 " 103.0 "
Evangelical Association	323	1.1	1 " 180.7 "
Mennonites	182	.7	1 " 320.0 "
Quakers	80	.3	1 " 727.5 "
Other Denominations	517	1.8	1 " 112.5 "
No Denomination given	222	.5	1 " 262.1 "
	29,102	100.00	

TABLE 11.

Marriages by Months, in numerical order, for Seven Years.

1882.		1883		1884.		1885.		1886.		1887.		1888.	
December	1573	December	1614	December	1513	December	1736	December	1717	December	1713	December	1680
October	1340	October.	1547	October.....	1437	October.....	1330	October	1342	October	1419	October	1441
November.....	1330	January	1519	January	1271	September	1297	March.....	1342	September....	1400	November	1347
January.....	1232	November	1263	November	1256	November	1252	November	1305	November....	1375	September. ..	1295
September	1202	March.....	1167	September....	1147	January	1246	September....	1286	June	1299	January	1280
March	1164	September....	1139	February	1124	March.....	1114	June	1188	March.....	1200	February	1162
February.....	1158	April.....	1130	April.....	1109	February	1105	January	1118	January.....	1174	April.....	1151
April	1004	February....	1044	March.....	1090	June	1065	February	1068	February	1126	May.....	1141
May	921	June	1018	June	1066	April.....	1043	May.....	903	April	988	June	1122
June.....	880	May	1014	July.....	961	July	941	April	894	August.....	950	May.....	1031
July	834	July.....	942	May.....	855	May	768	July.....	830	July.....	885	July.....	995
August.....	753	August	821	August	735	August.....	746	August.....	815	May.....	875	August.....	906
No date given.	58	No date given.	59	No date given.	52	No date given.	32	No date given.	37	No date given.	56	.....	.....
Total.....	13449	Total.....	14277	Total.....	13646	Total.....	13695	Total.....	13845	Total	14460	Total.....	14551

Quarter ending March 31st..... ..... 3583 marriages.
" " June 30th..... ..... 3304 "
" " September 30th ..... 3196 "
" " December 31st ..... 4468 "
Total..... 14551 "

Marriages per quarter..... 3637
" " month 1212
" " week 303
" " day.. 43

TABLE 12.

Marriages, by Ages, for Seven Years.

Quinquennial Period of Life.	1882. Whole No. of Marriages, 13,449.		1883. Whole No. of Marriages, 14,277.		1884. Whole No. of Marriages, 13,646.		1885. Whole No. of Marriages, 13,675.		1886. Whole No. of Marriages, 13,845.		1887. Whole No. of Marriages, 14,460.		1888. Whole No. of Marriages, 14,551.		Total No. of Marriages for seven years, 97,903.			
	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Males.	Females	Per cent. of Males.	Per cent. of Females
Under 20 years	175	2808	175	2841	141	2657	144	2542	148	2399	131	2533	207	2560	1121	18340	1.2	18.8
From 20 to 25 years	5072	6659	5341	7168	5125	6849	5007	6781	4869	6761	5039	7035	4988	6578	35441	47831	36.2	49.0
" 25 to 30 "	4758	2516	4944	2599	4784	2580	4862	2765	5065	3030	5225	3078	5272	3365	34910	19933	35.7	20.4
" 30 to 35 "	1657	681	1869	771	1740	710	1752	1746	1832	766	1966	875	1987	1016	12803	5565	13.1	5.5
" 35 to 40 "	733	303	734	337	724	320	788	354	811	390	904	395	923	472	5617	2571	5.7	2.6
" 40 to 45 "	381	174	429	212	381	189	410	178	408	199	408	193	420	212	2837	1357	2.8	1.4
" 45 to 50 "	207	96	240	117	247	109	229	106	243	105	265	121	264	144	1686	798	1.7	.8
" 50 to 55 "	149	72	177	58	162	48	149	58	163	57	181	63	171	73	1152	429	1.2	.4
" 55 to 60 "	107	35	116	60	104	36	114	40	99	28	112	56	106	36	758	291	.8	.3
" 60 to 65 "	77	22	87	22	66	23	70	19	97	30	110	32	93	39	600	187	.6	.2
" 65 to 70 "	44	6	61	8	38	9	45	4	41	12	39	8	45	9	313	56	.3	.05
" 70 to 75 "	26	7	31	5	22	4	14	2	15	4	19	3	29	2	217	33	.2	.03
" 75 to 80 "	11	2	9	1	6	.....	8	.....	10	1	4	.....	.....	.....	.....	.....	.....	.....
" 80 and over	2	.....	.....	.....	6	.....	1	.....	3	1	1	1	.....	.....	.....	.....	.....	.....
Ages not given	50	68	64	78	100	112	82	80	50	62	56	67	46	45	448	512	.5	.52
Total	13449	13449	14277	14277	13646	13646	13675	13675	13845	13845	14460	14460	14551	14551	97903	97903	100.00	100.00

TABLE 13.

List of Bridegrooms and Brides who were seventy years of age and over at the time of their marriage.

COUNTIES.	Bridegroom 70 Years and over.			COUNTIES.	Bridegroom 70 Years and over.			COUNTIES.	Bride 70 Years and over.		
	Occupation of Bridegroom.	Age of Bride-groom.	Age of Bride.		Occupation of Bridegroom.	Age of Bride-groom.	Age of Bride.		Occupation of Bridegroom.	Age of Bride.	Age of Bride-groom.
Brant	Farmer	70	68	Northumb'd & Durham	Farmer	78	70	Northumb'd & Durham	Farmer	70	78
"	Laborer	73	56	Oxford	"	71	58	Wentworth	Gentleman	72	67
Elgin	"	70	52	"	"	74	52				
Essex	"	71	41	"	Pump maker	76	63				
"	Farmer	71	51	"	Laborer	72	39				
"	"	76	51	Perth	"	73	52				
Grey	"	73	21	"	Farmer	70	31				
"	Gentleman	73	50	Prince Edward	"	77	60				
Hastings	"	70	53	Waterloo	Laborer	70	56				
Kent	Farmer	78	60	"	Gentleman	70	60				
"	"	75	40	Wentworth	"	77	65				
Lincoln	"	71	60	York	Laborer	72	34				
Middlesex	Shoemaker	72	39	"	Banker	73	30				
"	Merchant	70	51	"	Farmer	75	47				
Northumb'd & Durham	Weaver	84	17								

DEATHS.

TABLE 14.—Shewing the Death Rate per 1,000 of population, in each County of the Province for seven years.

COUNTIES.	1882.	1883.	1884.	1885.	1886.	1887.	1888.
Algoma	6.7	6.7	9.5	14.02	10.4	12.3	7.4
Brant	10.4	11.3	11.4	12.5	11.5	14.0	11.2
Bruce	8.1	7.4	7.3	7.5	7.1	8.3	7.7
Carleton	23.6	23.0	19.8	19.5	21.7	17.5	19.6
Dufferin	9.1	8.4	9.1	8.6	10.5	12.5	9.1
Elgin	7.5	7.7	8.2	8.7	8.0	9.7	11.4
Essex	14.5	12.6	14.4	14.04	14.8	14.4	15.8
Frontenac	14.8	15.8	12.9	13.1	12.0	12.8	10.2
Grey	8.3	6.4	7.0	7.6	7.4	8.1	7.6
Haldimand	9.2	7.5	8.7	9.4	8.2	8.8	10.0
Halton	11.7	9.4	10.9	10.8	10.0	9.1	9.4
Haliburton	.....	.....	.....	.....	.....	.....	7.3
Hastings	10.6	10.4	13.0	11.3	8.1	11.0	10.7
Huron	8.9	8.2	8.0	7.9	7.0	8.0	7.5
Kent	10.0	9.2	9.9	9.7	8.8	10.0	9.0
Lambton	8.2	8.1	10.4	9.2	9.5	9.7	9.8
Lanark	7.2	7.5	9.4	9.0	10.0	9.8	9.2
Leeds and Grenville	10.7	9.4	9.1	11.6	10.0	8.0	8.9
Lennox and Addington	10.0	9.8	8.7	8.5	7.1	8.4	7.4
Lincoln	12.6	12.7	13.8	13.02	12.4	11.8	13.1
Middlesex	11.8	10.4	12.2	11.6	10.1	10.7	10.4
Muskoka and Parry Sound	10.5	9.4	8.6	11.9	10.1	11.4	10.0
Norfolk	10.2	8.8	9.2	8.8	8.9	7.1	8.7
Northumberland and Durham	9.0	8.9	9.5	11.06	7.9	8.7	8.8
Ontario	10.2	11.8	11.1	10.2	8.8	9.6	10.0
Oxford	12.0	11.2	10.3	9.4	9.4	10.6	11.3
Peel	12.8	10.0	11.5	9.7	10.3	11.4	11.0
Perth	9.5	8.2	7.7	8.1	9.1	9.0	8.4
Peterboro'	10.4	11.8	10.9	10.9	9.6	9.7	10.6
Prescott and Russell	11.4	10.2	11.1	16.7	15.1	14.9	13.1
Prince Edward	16.5	11.9	13.7	12.8	12.1	10.1	11.4
Renfrew	8.1	7.9	8.3	9.2	9.5	8.5	8.2
Simcoe	8.3	8.1	8.5	8.02	7.1	7.9	8.0
Stormont, Dundas and Glengarry	8.2	7.2	8.8	9.2	8.1	8.1	5.5
Victoria	9.5	10.3	10.4	8.4	8.0	9.0	7.7
Waterloo	13.5	11.5	10.9	10.9	11.4	11.2	14.2
Welland	12.1	10.0	10.4	11.8	8.7	9.0	10.9
Wellington	10.9	10.8	10.8	9.7	9.6	9.6	9.1
Wentworth	15.9	18.1	17.0	16.3	16.6	16.3	15.8
York	16.1	17.8	18.1	19.5	21.3	20.2	19.3
Average rate	11.3	10.9	11.2	11.4	11.0	11.5	11.0

TABLE 15.—Death rate to 1,000 of population, during the last seven years in the eleven Cities.

CITIES.	1882.	1883.	1884.	1885.	1886.	1887.	1888.
Toronto	20.0	21.3	20.4	21.4	24.2	21.3	20.3
Hamilton	17.7	20.9	18.4	17.1	18.4	16.5	16.0
Ottawa	44.9	39.4	34.0	28.3	33.4	22.3	23.9
London	16.0	13.3	15.8	14.7	14.9	15.6	14.2
Kingston	22.2	25.1	17.5	18.0	17.7	17.7	11.6
Brantford	16.2	13.5	12.0	14.3	15.3	15 2	15.9
St. Thomas	9.8	8.4	8.4	10.3	13.5	15.0	12.6
Guelph	17.0	14.7	17.1	15.6	17.8	17.3	16.8
St. Catharines	16.2	16.5	19.0	15.7	17.6	17.0	20.6
Bslleville	18.0	16.8	20.0	18.0	14.8	17.3	13.6
Stratford	8 6	6.8	9.2	10.1	13.7	11.2	11.2
Average rate	21.3	20.2	19.7	19.2	21.4	19.0	18.4

TABLE 16.

Quarterly Return of Deaths in 1888 in the Province.

QUARTERS.	Males.	Females.	Total.	Per cent. of the Whole.
Quarter ending March 31st	3286	2865	6151	25.9
" " June 30th	3090	2794	5884	24.8
" " September 30th	3360	3047	6407	26.9
" " December 31st	2778	2514	5292	22.4
Total	12514	11220	23734	100.00

Quarterly Return of Deaths in 1888 in the Cities.

QUARTERS	Males.	Females.	Total.	Per cent. of the Whole.
Quarter ending March 31st	821	686	1507	24.9
" " June 30th	803	741	1544	25.5
" " September 30th	968	848	1816	30.0
" " December 31st	643	540	1183	19.6
Total	3235	2815	6050	100.00

TABLE 17.

Monthly Return of Deaths arranged according to numbers in the Province.

MONTHS.	Males.	MONTHS.	Females.	Totals.		Per cent. of the Whole.
				Months.	No.	
March	1204	August	1080	August	2269	9.6
August	1189	March	1025	March	2229	9.4
April	1136	September	1001	April	2136	9.0
September	1126	April	1000	September	2127	8.9
May	1072	July	966	July	2011	8.4
January	1062	January	928	January	1990	8.4
July	1045	May	915	May	1987	8.3
February	1020	February	912	February	1932	8.2
December	968	October	897	October	1863	7.9
October	966	June	879	December	1828	7.7
June	882	December	860	June	1761	7.4
November	844	November	757	November	1601	6.8
Total	12514	Total	11220	Total	23734	100.00

Monthly Return of Deaths arranged according to number in the Towns.

MONTHS.	Males.	MONTHS.	Females.	Totals.		Per cent. of the Whole.
				Months.	No.	
September	91	April	83	September	165	10.4
March	84	August	76	April	163	10.2
April	80	September	74	March	151	9.5
February	77	February	72	August	149	9.4
August	73	March	67	February	149	9.4
October,	72	June	65	October	134	8.4
July	67	October	62	July	122	7.6
May	65	November	57	June	116	7.2
December	62	January	56	January	115	7.2
January	59	July	55	December	114	7.1
November	53	December	52	November	110	6.9
June	51	May	41	May	106	6.7
Total	834	Total	760	Total	1594	100.00

TABLE 18.

List of Centenarians, 1888.

No.	Name.	Sex.	Occupation.	Where Born.	Age at Death.	Cause of Death.	Where Died.
1	Ann Thompson	F.	Farmer's wife	Ireland	100 yrs.	Dropsy	Albemarle Township, Bruce County.
2	Mrs. Atkinson	F.	"	"	105 "	Natural causes	Marlborough " Carleton "
3	James Isaac	M.	Farmer	"	101 "	Old age	Mulmur " Dufferin "
4	Ewen Cameron	M.	Gentleman	Scotland	100 "	"	Southwold " Elgin "
5	William Lucky	M.	Carpenter	United States	108 "	"	Chatham Town, Kent "
6	Catharine McDougall	F.	Widow	Scotland	102 "	"	Plympton Township, Lambton "
7	Ann Simpson	F.	"	Ireland	103 "	"	Carleton Village, Lanark "
8	Michael Higgins	M.	Pauper	"	100 "	Apoplexy	London City, Middlesex "
9	Barba Randle	F.			100 "	Old age	Charlotteville Township, Norfolk County.
10	Annie McDonald	F.		Scotland	103 "	"	Dereham " Oxford "
11	Edward Doubledee	M.	Farmer	England	100 "	"	Blandford " " "
12	Israel Talbot	M.	Blacksmith	Boston, U. S.	110 "	"	South Norwich " " "
13	Clemence Maillet	F.	Housewife	Canada	105 "	"	South Plantagenet Tp, Prescott and Russell Co.
14	Jean Marie Bissonnette	M.	Farmer	Cédres, Quebec	106 "	"	Cambridge " " " "
15	Francis Gregson	M.	"	Ireland	100 "	"	Midland Village, Simcoe County.
16	John Struiter	M.	"	Ontario	102 "	"	Matilda Township, Dundas "
17	Duncan McIntosh	M.	"	Scotland	100 "	"	Lancaster " Glengarry "
18	Martha Matthews	F.		Ireland	105 "	"	Lindsay Town, Victoria "
19	Honora Doyle	F.		"	107 "	"	West Flamboro' Township, Wentworth County.
20	Margaret Jordan	F.	Farmer's wife	"	100 "	"	West Garafraxa " Wellington "
21	John McCann	M.	Laborer	"	105 "	"	Toronto City, York County.

TABLE 19.

Nationality of Decedents, over Sixty Years of Age.

1888.	English.	Irish.	Scotch.	Canadian.	American.	German.	French.	Swiss.	Other Countries.	Total.
Deaths between 60 and 70 years	414	522	314	539	81	87	6	6	41	2010
" " 70 " 80 "	462	786	395	484	95	119	43	1	59	2444
" " 80 " 90 "	314	332	260	234	105	78	17	3	60	1403
" " 90 " 100 "	48	118	56	46	36	7	1	1	4	317
at 100 years and over	1	10	4	3	2	.... ..	. .....	.....	1	21
Total	1239	1768	1029	1306	3 9	291	67	11	165	6195

TABLE 20.

Deaths at different ages, with percentage for seven years, from 1882 to 1887.

	1882.		1883.		1884.		1885.		1886.		1887.		1888.	
	No. of deaths.	Per cent. of the whole.	No. of deaths.	Per cent. of the whole.	No. of deaths.	Per cent. of the whole.	No. of deaths.	Per cent. of the whole.	No. of deaths.	Per cent. of the whole.	No. of deaths.	Per cent. of the whole.	No. of deaths.	Per cent. of the whole.
Total under 1 year	4874	22.3	4882	23.2	5242	24.1	4885	21.9	5293	22.8	5341	22.8	5879	24.4
" from 1 to 5 years	2952	13.6	2215	10.5	2157	9.9	2299	10.5	2805	12.1	2453	10.4	2449	10.3
Total under 5 years	7826	35.9	7097	33.7	7399	34.0	7154	32.4	8098	34.9	7794	33.2	8328	34.7
Total from 5 to 10 years	1150	5.2	825	3.9	806	3.7	951	4.3	1157	4.9	1114	4.8	987	4.1
" 10 " 20 "	1449	6.6	1377	6.5	1296	6.0	1336	6.0	1428	6.3	1459	6.2	1482	6.3
" 20 " 30 "	1930	8.8	2105	10.0	2075	9.6	2203	9.9	2049	8.9	2154	9.3	2077	8.8
" 30 " 40 "	1359	6.3	1519	7.2	1477	6.8	1605	7.3	1521	6.5	1520	6.5	1487	6.4
" 40 " 50 "	1301	5.5	1249	5.9	1267	5.8	1375	6.2	1333	5.8	1334	5.7	1405	6.0
" 50 " 60 "	1257	5.8	1283	6.1	1285	5.9	1358	6.1	1376	5.9	1486	6.3	1534	6.5
" 60 " 70 "	1590	7.4	1557	7.4	1617	7.4	1701	7.7	1693	7.2	1798	7.6	2010	8.4
" 70 " 80 "	1952	8.9	1903	9.1	2251	10.4	2176	9.8	2163	9.3	2410	10.3	2444	10.3
" 80 " 90 "	1250	5.8	1254	6.0	1367	6.3	1371	6.4	1486	6.4	1482	6.3	1403	5.9
" 90 " 100 " and over	273	1.2	223	1.1	266	1.4	287	1.3	261	1.2	276	1.3	338	1.5
Ages not given	563	2.6	657	3.1	596	2.7	588	2.6	619	2.7	587	2.5	239	1.1
Total	21900	100.00	21049	100.00	21702	100.00	22105	100.00	23184	100.00	23414	100.00	23734	100.00

TABLE 21.

Ten Highest causes of Death, with their percentage of the whole number of Deaths from specified causes, for the years 1881 to 1888 inclusive.

1881.			1882.			1883.			1884.		
Whole number of Deaths from specified causes		21,997	Whole number of Deaths from specified causes		21,097	Whole number of Deaths from specified causes		20,299	Whole number of Deaths from specified causes		21,149
Diseases.	Number of Deaths.	Per cent. of the whole.	Diseases.	Number of Deaths.	Per cent. of the whole.	Diseases.	Number of Deaths.	Per cent. of the whole.	Diseases.	Number of Deaths.	Per cent. of the whole.
Phthisis	2397	10.8	Phthisis	2464	11.6	Phthisis	2500	12.3	Phthisis	2347	11.1
Old Age	1972	8.9	Anæmia	1895	8.9	Old Age	1731	8.5	Old Age	2065	9.7
Infantile Debility	1481	6.7	Old Age	1841	8.7	Anæmia	1600	7.8	Anæmia	1697	8.0
Diphtheria	1171	5.3	Pneumonia	1322	6.2	Pneumonia	1335	6.5	Pneumonia	1255	5.9
Pneumonia	1137	5.1	Diphtheria	1239	5.8	Heart Disease	921	4.5	Heart Disease	929	4.3
Heart Disease	886	4.0	Heart Disease	753	3.5	Diphtheria	709	3.5	Diphtheria	668	3.1
Diarrhœa	818	3.7	Typhoid Fever	555	2.6	Convulsions	548	2.7	Paralysis	535	2.5
Typhoid Fever	616	2.8	Scarlatina	543	2.5	Bronchitis	497	2.4	Diarrhœa	531	2.5
Croup	533	2.4	Diarrhœa	497	2.3	Diarrhœa	471	2.3	Convulsions	527	2.4
Convulsions	509	2.3	Convulsions	492	2.3	Typhoid Fever	469	2.2	Enteritis	512	2.4

TABLE 21—*Continued.*

1885.			1886.			1887.			1888.		
Whole number of Deaths from specified causes.....		21,422	Whole number of Deaths from specified causes.		22,371	Whole number of Deaths from specified causes.....		23,414	Whole number of Deaths from specified causes.....		23,734
Diseases.	Number of Deaths.	Per cent. of the whole	Diseases.	Number of Deaths.	Per cent. of the whole.	Diseases.	Number of Deaths.	Per cent. of the whole.	Diseases.	Number of Deaths.	Per cent. of the whole.
Phthisis.....	2313	10.8	Phthisis.....	2419	10.8	Old Age.....	2617	12.2	Pneumonia.....	2537	10.7
Old Age.....	2073	9.6	Old Age.....	2121	9.4	Phthisis.....	2556	10.9	Phthisis.....	2521	10.6
Anæmia.....	1597	7.4	Anæmia.....	1664	7.4	Pneumonia and Bronchitis.....	2289	9.7	Old Age.....	2365	10.7
Pneumonia.....	1348	6.3	Pneumonia.....	1507	6.7	Nervous Diseases.....	2157	9.1	Nervous Diseases.....	2275	9.5
Diphtheria.....	1006	4.7	Diphtheria.....	1406	6.2	Anæmia.....	2034	8.6	Anæmia.....	2271	9.5
Heart Disease.....	952	4.4	Heart Disease.....	1090	4.8	Heart Disease and Apoplexy.....	1456	6.4	Heart Disease.....	1567	6.6
Convulsions.....	549	2.1	Convulsions.....	622	2.8	Diphtheria.....	1340	5.7	Diphtheria.....	1088	4.1
Paralysis.....	547	2.5	Diarrhœa.....	603	2.7	Enteritis.....	854	3.7	Diarrhœal Diseases...	1934	4.0
Bronchitis.....	501	2.3	Enteritis.....	516	2.3	Diarrhœal Diseases.....	843	3.6	Enteritis.....	909	3.8
Enteritis.....	485	2.2	Paralysis.....	507	1.3	Cancer.....	614	2.6	Fevers.....	850	3.5

TABLE 22.—Shewing the Population and Deaths in each County ; also

COUNTIES.	Population.	No. of Deaths.	Ratio to Population.	Pneumonia.		Phthisis.		Old Age.	
				No. of Deaths.	Ratio to Population.	No of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.
Algoma	30350	225	7.4	25	.8	21	.7	8	.3
Brant	37239	418	11.2	58	1.5	49	1.3	36	.9
Bruce	71244	553	7.7	59	.8	68	.9	75	1.6
Carleton	70513	1382	19.6	71	1.1	118	1.6	78	1.1
Dufferin	72589	205	9.1	19	.8	15	.7	14	.6
Elgin	46597	532	11.4	60	1.2	64	1.3	55	1.1
Essex	51218	812	15.8	94	1.8	64	1.2	62	1.2
Frontenac	46812	478	10.2	49	1.0	42	.9	63	1.3
Grey	77582	591	7.6	66	.8	51	.6	92	1.2
Haldimand	27491	274	10.0	46	1.7	20	.7	26	.9
Halton	24112	229	9.4	27	1.1	18	.7	22	.9
Haliburton	6511	49	7.3	3	.4	2	.3	7	1.0
Hastings	60712	650	10.7	43	.7	81	1.3	81	1.3
Huron	84179	632	7.5	76	.9	65	.7	76	.9
Kent	59769	532	9.0	38	.6	66	1.1	55	.9
Lambton	57238	559	9.8	56	.9	81	1.4	52	.9
Lanark	37372	345	9.2	47	1.3	35	.9	44	1.2
Leeds and Grenville	66181	591	8.9	69	1.0	88	1.3	84	1.2
Lennox and Addington	29133	216	7.4	17	.5	29	1.0	36	1.2
Lincoln	34719	457	13.1	60	1.7	57	1.6	40	1.1
Middlesex	102389	1064	10.4	110	1.0	131	1.2	113	1.1
Muskoka and Parry Sound	39926	395	10.0	38	1.0	18	.4	29	.9
Norfolk	36879	321	8.7	37	1.0	34	.9	46	1.2
Northumberland & Durham	85129	751	8.8	115	1.3	80	.9	130	1.5
Ontario	53693	537	10.0	74	1.4	67	1.2	47	.9
Oxford	55176	626	11.3	83	1.5	60	1.0	68	1.2
Peel	28793	312	11.0	36	1.2	31	1.0	41	1.4
Perth	59055	490	8.4	47	.8	50	.8	62	1.0
Peterborough	33270	353	10.6	41	1.2	40	1.2	34	1.0
Prescott and Russell	41826	548	13.1	13	.3	58	1.4	57	1.3
Prince Edward	23149	265	11.4	27	1.1	39	1.7	38	1.6
Renfrew	44271	364	8.2	37	.8	40	.9	37	.8
Simcoe	82394	655	8.0	84	1.1	62	.7	81	.9
Stormont, Dundas and Glengarry	72618	618	8.5	53	.7	98	1.3	74	1.0
Victoria	37021	286	7.7	37	1.0	32	.9	37	1.0
Waterloo	47008	668	14.2	71	1.5	58	1.4	79	1.7
Welland	34948	380	10.9	45	1.2	47	1.3	34	1.0
Wellington	72808	665	9.1	73	1.0	76	1.1	86	1.2
Wentworth	73649	1163	15.8	127	1.7	130	1.8	89	1.2
York	183408	3543	19.3	406	2.2	336	1 8	177	.9
Total	2148971	23734	11.0	2537	1.2	2521	1.18	2365	1.11

the ten highest Causes of Death with their ratio to Population in 1888.

Nervous Diseases.		Anæmia.		Heart Disease.		Diphtheria.		Diarrhœal Diseases.		Enteritis.		Fevers.	
No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. to Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Daths	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.
17	.5	33	1.1	6	.2	18	.6	5	.1	5	.2	14	4
35	.9	21	.6	41	1.1	7	.2	21	.5	14	.3	29	.7
43	.6	64	.8	26	.3	7	.1	27	.4	18	.2	17	.2
88	1.2	219	3.1	78	1.1	82	1.2	151	2.1	46	.6	43	.5
9	.4	25	1.1	7	.3	32	1.4	6	.2	10	.5	4	.2
52	1.0	31	.6	33	.7	20	.4	22	.5	25	.6	20	.4
62	1.2	87	1.7	31	.6	45	.8	27	.5	32	.6	53	1.0
58	1.2	50	1.1	36	.8	11	.2	8	.1	21	.4	20	.4
54	.7	43	.5	40	.5	13	.2	9	.1	35	.4	23	.3
18	.6	19	.7	15	.5	12	.4	6	.2	9	.3	18	.6
29	1.2	14	.6	14	6	7	.3	10	.4	9	.4	9	.4
3	.4	10	1.5	.....	.....	.....	.....	.....	.....	1	.2	2	.3
69	1.1	44	.7	35	.6	27	.4	22	.3	21	.3	20	.3
61	.7	57	.6	33	.4	19	.2	19	.2	31	.3	24	.2
35	.6	53	.8	36	.6	10	.1	22	.4	15	.3	21	.4
49	.8	40	.7	37	.6	16	.2	21	.3	23	.4	42	.7
20	.5	42	1.1	18	.4	10	.2	11	.2	10	.2	17	.3
49	.7	53	.8	44	.6	24	.3	16	.2	22	.3	12	.1
22	.7	11	.3	11	.3	4	.1	14	.4	5	.2	4	.1
47	1.3	36	1.0	44	1.2	15	.4	13	.3	17	.5	11	.3
111	1.0	86	.8	104	1.0	36	.3	51	.5	40	.4	34	.3
33	.9	34	.9	17	.4	39	1.0	18	.5	21	.6	17	.4
34	1.0	10	.3	17	.4	27	.9	9	.2	9	.2	19	.5
80	.9	53	.6	44	.5	19	.2	22	.2	29	.3	20	.2
49	.9	44	.8	21	.4	31	.6	13	.2	30	.6	26	.5
39	.7	53	.9	42	.7	46	.8	19	.3	32	.6	44	.8
39	1.3	17	.6	15	.5	15	.5	4	.1	10	.3	11	.4
46	.8	37	.6	47	.8	20	.3	13	.2	19	.3	16	.2
35	1.0	42	1.3	27	.8	19	.6	16	.5	8	.2	9	.3
29	.7	133	3.1	21	.5	56	1.2	20	.5	8	.2	15	.4
26	1.1	23	1.0	13	.6	17	.7	3	.1	9	.4	7	.3
45	1.0	42	.9	22	.5	6	.1	18	.3	8	.2	14	.3
67	.8	63	.7	38	.4	46	.5	11	.1	27	.3	15	.2
40	.5	48	.6	40	.5	49	.6	30	.4	22	.3	4	.0
31	.8	19	.5	16	.4	10	.2	12	.3	19	.5	7	.2
69	1.5	63	1.1	48	1.0	13	.2	37	.8	32	.7	22	.4
43	1.2	25	.7	22	.6	17	.5	3	.0	15	.4	10	.3
54	.7	62	.8	62	.8	35	.5	15	.2	25	.3	14	.2
137	1.7	118	1.6	105	1.4	44	.6	36	.5	39	.5	26	.3
448	2.4	347	1.9	261	1.4	164	.9	154	.8	138	.7	117	.6
2275	1.07	2271	1.06	1567	.7	1088	.5	934	.43	909	.42	850	.4

TABLE 23.—Shewing the Population and Deaths in each City; also the

CITIES.	Population according to Assessors.	No. of Deaths.	Ratio to Population.	Nervous Diseases.		Anæmia.		Pneumonia.		Phthisis.	
				No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.
Toronto	139432	2839	20.3	350	2.5	289	2.1	328	2.3	267	1.9
Hamilton	43082	720	16.0	80	1.8	73	1.7	82	1.9	75	1.7
Ottawa	40000	958	23.9	66	1.6	158	3.7	31	.8	77	1.9
London	26786	381	14.2	43	1.6	42	1.6	48	1.8	37	1.3
Kingston	16216	188	11.6	22	1.3	19	1.1	19	1.1	16	1.0
Brantford	13054	208	15.9	24	1.1	11	.8	29	2.2	22	1 6
St. Thomas	10476	132	12.6	17	1.6	8	.7	18	1.7	13	1.2
Guelph	10413	175	16.8	27	2.6	24	2.3	12	1.1	17	1.6
St. Catharines	10080	208	20.6	22	2.1	11	1.0	28	2.7	32	3.1
Belleville	10269	140	13.6	21	2.0	6	.5	17	1.6	23	2.2
Stratford	9002	101	11.2	8	.8	11	1.2	4	.4	11	1.2
Total	328810	6050	18.4	680	2,0	652	1.9	616	1.9	590	1.8

TABLE 24.—Shewing the Population and Deaths in each of the Principal Towns;

PRINCIPAL TOWNS.	Population according to Assessors.	No. of Deaths.	Ratio to Population.	Pneumonia.		Nervous Diseases.		Phthisis.		Old Age.	
				No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.
Barrie	5387	60	11.1	13	2.4	4	.7	7	1.3	10	1.8
Berlin	6810	100	14.6	8	1.1	11	.6	8	1.2	22	3.2
Brampton	3297	91	27.6	13	4.0	12	3.6	11	3.3	14	4.2
Brockville	8826	132	15.8	15	1.7	13	1.4	17	1.9	15	1.7
Chatham	8329	102	12.2	8	.9	13	1.5	20	2.3	5	.6
Cobourg	4692	66	14.0	5	1.0	9	1.9	4	.8	10	2.1
Cornwall	6402	75	11.7	7	1.1	10	1.5	9	1.4	3	.4
Galt	7162	120	16.7	16	2.2	15	2.1	10	1.4	10	1.4
Lindsay	5789	59	10.2	5	.8	8	1.3	7	1.2	8	1.3
Napanee	3201	56	17.4	6	1.8	9	2.8	10	3.1	7	2.1
Owen Sound	6359	94	14.7	7	1.1	15	2.3	10	1.5	10	1.5
Pembroke	4146	57	13.7	5	1.2	9	2.1	4	1.0	4	1.0
Perth	3976	64	16.1	15	3.7	5	1.3	5	1.3	5	1.3
Peterborough	8989	120	13.3	15	1.6	12	1.4	9	1.0	8	.9
Picton	3000	53	13.2	4	1.3	7	2.3	10	3.3	7	2.3
Port Hope	5161	51	10.0	1	.2	4	.7	2	.3	6	1.1
Whitby	2886	51	17-6	6	2.1	4	1.4	8	2.8	4	1.4
Windsor	9041	117	12.9	13	1.4	12	1.3	12	1.3	5	.5
Woodstock	8314	126	15.1	21	2.5	8	.9	10	1.2	7	.8
Total	111767	1594	14.3	183	1.7	181	1.6	173	1.5	160	1.4

ten highest causes of Deaths, with their ratio to 1,000 of Population in 1888.

Heart Disease.		Diarrhœal Diseases.		Old Age.		Diphtheria.		Enteritis.		Fevers.	
No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.
207	1.4	134	.9	120	.8	128	.9	97	.7	88	.6
65	1.5	26	.6	29	.7	32	.8	28	.8	17	.4
55	1.3	111	2.8	41	1.0	54	1.1	33	.8	32	.7
33	1.2	28	1.0	27	1.0	7	.2	16	.6	11	.4
17	1.0	4	.2	22	1.3	5	.3	12	.8	7	.4
21	1.5	8	.6	14	1.0	4	.2	6	.4	13	1.0
4	.3	5	.4	13	1.2	6	.5	7	.6	5	.5
15	1.5	7	.6	17	1.6	8	.7	3	.3	2	.2
19	1.9	4	.4	11	1.0	8	.7	6	.5	4	.4
7	1.6	7	.6	20	1.9	1	.....	5	.4	6	.5
9	1.0	2	.2	13	1.4	6	.6	4	.4	8	.9
452	1.3	336	1.0	327	1.0	249	.7	217	.6	193	.6

also the ten highest causes of Death, with their ratio to 1,000 of Population in 1888.

Anæmia.		Heart Disease.		Diarrhœal Diseases.		Enteritis.		Fevers.		Diphtheria.	
No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. or Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.	No. of Deaths.	Ratio to Population.
5	.9	4	.7	3	.6	1	.1	2	.3	3	.6
7	1.0	2	.3	11	.6	6	.9	3	.8	1	.1
5	1.5	3	.9	1	.3	1	.3	....	.....	.....	.....
14	1.6	7	.8	7	.8	2	.2	7	.8	3	.3
3	.4	6	.7	6	.7	8	.9	6	.7	2	.3
7	1.5	5	1.0	2	.4	4	.8	1	.2	.....	.....
11	1.7	5	1.0	6	1.3	.....	.....	.....	.....	8	1.2
6	.8	11	1.5	8	1.1	7	.9	4	.5	2	.2
4	.7	3	.5	.....	.....	7	1.2	2	.5	.....	.....
1	.3	3	.9	4	1.2	2	.6	1	.3	.....	.....
12	1.8	6	.9	2	.3	3	.4	6	.9	1	.1
3	.7	4	1.0	9	2.1	1	.2	1	.2	3	.7
10	2.5	2	.5	3	.7	4	1.0	1	.2	.....	.....
17	1.9	10	1.1	6	.7	3	.4	3	.4	9	1.0
4	1.3	1	.3	.....	.....	3	1.0	4	1.3	.....	.....
2	.3	8	1.5	1	.2	3	.6	4	.7	2	.3
4	1.4	4	1.4	1	.3	3	1.0	.....	.....	7	1.4
20	2.2	7	.8	6	.7	7	.8	9	1.0	2	.2
16	1.9	7	.8	3	.4	6	.7	9	1.8	12	1.4
151	1.3	98	.9	79	.7	71	.63	63	.56	55	.5

TABLE 25.

Shewing the Five highest Causes of Deaths, in the different periods of Life, and the number of Decedents from each cause.

Total deaths under 1 year.....	5879	Total deaths between 1 and 5 years.....	2449	Total deaths between 5 and 10 years.....	987	Total deaths between 10 and 15 years.....	632
Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period.	No of Deaths.	Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period.	No. of Deaths.
1. Anæmia.....	1721	1. Diphtheria.....	423	1. Diphtheria.....	333	1. Diphtheria.....	135
2. Nervous diseases.....	702	2. Pneumonia and Bronchitis .	380	2. Nerv. Diseases & Convuls'ns	93	2. Phthisis.....	68
3. Pneumonia	586	3. Nerv. Diseases & Convuls'ns	347	3. Fevers.....	90	3. Fevers.....	57
4. Diarrhœal diseases.....	557	4. Croup	211	4. Pneumonia.....	68	4. Pneumonia	55
5. Cholera Infantum.....	470	5. Diarrhœal Diseases..... .	187	5. Croup	52	5. Nervous Diseases	46
Total	4036	Total	1548	Total	646	Total	361

Total deaths between 15 and 20 years.....	850	Total deaths between 20 and 30 years	2077	Total deaths between 30 and 40 years.....	1487	Total deaths between 40 and and 50 years	1405
Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period.	No. of Deaths.
1. Phthisis	253	1. Phthisis.....	818	1. Phthisis	430	1. Phthisis	286
2. Fevers..	90	2. Fevers.....	176	2. Pneumonia	165	2. Pneumonia	191
3. Pneumonia.....	87	3. Pneumonia	151	3. Heart Disease.....	104	3. Heart Disease	136
4. Nervous Diseases	64	4. Nervous Diseases.....	134	4. Cancer.....	90	4. Cancer	126
5. Diphtheria	51	5. Enteritis	133	5. Fevers.....	87	5. Nervous Diseases.....	88
Total	545	Total	1412	Total	876	Total	827

TABLE 25.—*Continued.*

Total deaths between 50 and 60 years	1534	Total deaths between 60 and 70 years	2010	Total deaths between 70 and 80 years	2444	Total deaths at 80 years and over	1741
Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period.	No. of Deaths.	Five highest causes of death in that period	No. of Deaths.	Five highest causes of death in that period.	No. of Deaths.
1. Heart Disease	223	1. Heart Disease	409	1. Old Age	1062	1. Old Age	2598
2. Phthisis	202	2. Pneumonia	274	2. Heart Disease	308	2. Heart Disease	95
3. Pneumonia	192	3. Nervous Diseases	201	3. Pneumonia	271	3. Pneumonia	88
4. Nervous Diseases	142	4. Phthisis	166	4. Nervous Diseases	200	4. Nervous Diseases	68
5. Cancer	140	5. Cancer	121	5. Dropsy	92	5. Dropsy	38
Total	899	Total	1171	Total	1933	Total	2887

TABLE 26.

Deaths by Occupations, shewing the Ages at Death, also aggregate and average Age.—1888.

OCCUPATIONS.	AGES.																	
	20 to 25 years.	25 to 30 years.	30 to 35 years.	35 to 40 years.	40 to 45 years.	45 to 50 years.	50 to 55 years.	55 to 60 years.	60 to 65 years.	65 to 70 years.	70 to 75 years.	75 to 80 years.	80 to 85 years.	85 to 90 years.	90 to 95 years.	95 to 100 years.	100 years and over.	Total.
CLASS I—CULTIVATORS OF THE SOIL, ETC.																		
Farmers	130	104	90	96	81	106	129	177	240	354	359	339	317	169	70	19	6	2786
Gardeners	...	3	.....	1	1	4	4	2	3	3	7	4	5	2	.....	.....	.....	39
Labourers	90	64	52	41	49	50	54	62	71	68	72	63	68	20	12	5	1	842
Teamsters	4	6	3	4	4	4	7	6	2	6	2	1	1	1	...	.....	.....	51
Total Class I	224	177	145	142	135	164	194	247	316	431	440	407	391	192	82	24	7	3718
CLASS II—MECHANICS.																		
Blacksmiths	7	5	4	1	2	8	8	10	10	4	7	3	4	1	1	.....	1	76
Brickmakers	1	.....	.....	1	1	.....	.....	1	1	.....	.....	2	.....	.....	.....	.....	.....	7
Bricklayers	1	1	2	.....	2	2	.....	1	.....	1	1	.....	.....	1	.....	.....	.....	12
Bakers and Confectioners	6	3	1	3	3	4	5	1	3	4	1	.....	.....	.....	.....	.....	.....	34
Carpenters	11	9	16	10	6	12	27	18	17	19	14	17	11	6	.....	.....	1	194
Cabinet-makers	4	1	2	3	3	1	1	3	5	10	5	2	...	.....	.....	.....	.....	40
Carriage and Wagon-makers	1	3	1	4	3	4	2	2	1	2	7	1	.....	.....	.....	.....	.....	31
Coopers	2	1	.....	.....	3	1	2	1	4	4	4	3	3	.....	.....	.....	.....	28
Factory Operatives	7	4	2	2	.....	.....	1	.....	1	.....	1	.....	.....	.....	.....	.....	.....	18
Masons	1	2	5	2	3	5	4	1	3	5	5	3	3	1	.....	.....	.....	43
Machinists	4	4	3	6	4	3	2	3	4	1	.....	1	.....	...	.....	.....	.....	35
Moulders	.....	2	2	2	1	1	1	.....	1	2	1	.....	1	.....	2	.....	.....	16
Millwrights	.....	.....	.....	.....	1	1	2	3	1	.....	1	.....	1	.....	.....	.....	.....	10
Painters	8	1	...	4	4	1	2	.....	.....	2	1	2	1	.....	.....	.....	.....	26
Printers and Bookbinders	8	5	6	7	9	4	2	3	1	3	2	.....	.....	.....	.....	.....	.....	50
Plasterers	.....	.....	1	.....	.....	.....	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	5

Stonecutters	1	2	1	.....	.....	3	3	2	2	.....	.....	2	.....	.....	.....	.....	.....	16
Shoemakers	2	1	3	5	3	3	6	5	12	16	16	9	6	3	1	1	.....	92
Saddlers and Harness-makers	1	2	1	2	4	.....	1	2	2	1	.....	1	.....	.....	.....	.....	.....	17
Tinsmiths	1	4	1	3	.....	.....	1	1	1	1	.....	3	.....	.....	.....	.....	.....	16
Tailors	5	1	2	4	.....	3	2	4	10	5	8	4	1	2	2	.....	.....	53
Tobacconists and Cigarmakers	4	1	1	2	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	9
Tanners and Curriers	.....	.....	.....	.....	.....	1	2	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	4
Watchmakers and Jewellers	2	2	2	1	.....	1	.....	1	1	.....	1	.....	.....	1	.....	.....	.....	12
Weavers	1	.....	.....	.....	.....	.....	.....	.....	1	8	6	8	4	.....	1	1	.....	30
Other Mechanics	4	5	6	6	5	5	5	7	12	6	2	4	4	.....	1	.....	.....	72
Total Class II	82	59	62	68	58	63	79	71	94	94	83	67	39	15	8	2	2	946
Class III—Mercantile Men and Shop keepers.																		
Agents	1	9	8	4	6	5	7	4	3	2	2	2	1	.....	.....	.....	.....	54
Book-keepers and Clerks	23	22	12	16	4	8	6	5	1	5	1	5	1	1	.....	.....	.....	110
Butchers	8	3	3	2	3	2	3	4	8	3	4	2	2	.....	.....	.....	.....	47
Brewers and Distillers	.....	1	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	3
Chemists and Druggists	3	.....	.....	.....	1	1	1	1	1	2	1	.....	1	.....	.....	.....	.....	12
Contractors and Builders	3	.....	1	3	1	2	.....	2	2	5	5	2	2	2	.....	.....	.....	30
Lumbermen	1	.....	3	.....	3	3	5	1	1	5	.....	.....	4	.....	.....	.....	.....	26
Merchants	4	7	15	13	18	16	9	12	17	18	15	9	11	5	.....	.....	.....	169
Millers	1	4	3	2	2	4	.....	4	3	5	2	1	2	1	.....	.....	.....	34
Manufacturers	.....	2	.....	2	2	.....	4	1	5	1	5	4	1	.....	.....	.....	.....	27
Tavern-keepers	.....	4	3	6	6	9	9	4	5	4	1	2	.....	.....	.....	.....	.....	53
Total Class III	44	52	49	48	46	50	44	38	46	51	36	27	25	9	.....	.....	.....	565
Class IV—Professional Men.																		
Artists	.....	3	.....	3	3	.....	1	1	1	.....	1	.....	.....	.....	.....	.....	.....	13
Bankers	1	2	.....	3	.....	.....	1	3	1	.....	1	.....	.....	.....	.....	.....	.....	12
Clergymen	.....	3	.....	2	4	3	1	3	8	4	1	4	3	3	.....	.....	.....	39
Dentists	.....	.....	1	1	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	5
Engineers	2	4	2	1	2	3	.....	5	7	3	2	3	.....	1	.....	.....	.....	35
Lawyers	.....	.....	1	1	.....	4	2	4	1	.....	.....	3	.....	.....	.....	.....	.....	16
Musicians	2	2	1	1	1	.....	.....	2	.....	.....	.....	.....	1	.....	.....	.....	.....	10
Physicians	.....	4	1	3	1	7	6	1	1	.....	.....	.....	1	1	1	.....	.....	27
Public Officials	.....	4	1	4	3	5	9	11	6	19	9	10	4	2	.....	1	.....	88
Students	15	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
Teachers, male	12	7	6	2	1	1	1	.....	2	1	3	1	3	2	.....	.....	.....	42
" female	10	2	4	3	1	2	.....	1	.....	1	.....	1	.....	.....	.....	1	.....	26
Total Class IV	42	34	17	24	17	26	21	31	27	29	17	22	12	9	1	2	.....	331

TABLE 26.—*Continued.*

Deaths by Occupations, shewing the Ages at Death, also aggregate and average Age.

OCCUPATIONS.	Ages.																	
	20 to 25 years.	25 to 30 years.	30 to 35 years.	35 to 40 years.	40 to 45 years.	45 to 50 years.	50 to 55 years.	55 to 60 years.	60 to 65 years.	65 to 70 years.	70 to 75 years.	75 to 80 years.	80 to 85 years.	85 to 90 years.	90 to 95 years.	95 to 100 years.	100 years and over.	Total.
CLASS V—MISCELLANEOUS OCCUPATION.																		
Bartenders and Waiters	2	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Cooks	1	2	1	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6
Gentlemen	2	5	2	1	4	8	6	14	14	25	50	34	40	20	6	1	1	233
Hunters and Fishermen	.....	.....	.....	.....	.....	3	1	1	.....	.....	1	2	.....	.....	.....	.....	.....	9
Railway Employees	8	11	3	7	3	11	2	4	2	1	1	.....	1	.....	.....	.....	.....	54
Sailors	4	4	2	.....	2	1	.....	2	1	2	1	1	1	2	.....	1	.....	24
Volunteers, Soldiers and Pensioners	1	1	1	.....	1	1	1	3	6	2	4	5	3	2	3	.....	.....	34
Occupations not specified	.....	1	1	4	4	5	5	2	3	1	.....	1	2	.....	.....	.....	1	30
Total Class V	19	26	11	13	16	29	15	26	26	31	57	43	47	24	9	2	2	396
CLASS VI—FEMALES AT WORK.																		
Servants, Females	24	15	4	2	3	7	.....	2	5	1	4	4	5	.....	.....	.....	.....	76
Milliners and Dressmakers	10	8	2	5	2	6	.....	1	1	2	3	3	3	1	.....	.....	.....	47
Total Class VI	34	23	6	7	5	13	.....	3	6	3	7	7	8	1	.....	.....	.....	123

TABLE 26—*Continued.*

RECAPITULATION.

Deaths by Occupations, shewing the Ages at Death, also aggregate and average Age, 1888.

OCCUPATIONS.	Ages.																	Total.	Aggregate Age.	Average Age.
	20 to 25 years.	25 to 30 years.	30 to 35 years.	35 to 40 years.	40 to 45 years.	45 to 50 years.	50 to 55 years.	55 to 60 years.	60 to 65 years.	65 to 70 years.	70 to 75 years.	75 to 80 years.	80 to 85 years.	85 to 90 years.	90 to 95 years.	95 to 100 years.	100 years and over.			
Total, Class I.—Cultivators of the Soil, Etc.	224	177	145	142	135	164	194	247	316	431	440	407	391	192	82	24	7	3718	229796	61.8 years.
" II.—Mechanics.....	82	59	62	68	58	63	79	71	94	94	83	67	39	15	8	2	2	946	50778	53.6 "
" III.—Mercantile Men, Etc.....	44	52	49	48	46	50	44	38	46	51	36	27	25	9	....	....	....	565	28493	50.2 "
" IV.—Professional Men, Etc....	42	34	17	24	17	26	21	31	27	29	17	22	12	9	1	2	....	331	16835	50.8 "
" V.—Miscellaneous Occupations.	19	26	11	13	16	29	15	26	26	31	57	43	47	24	9	2	2	396	24723	62.6 "
" VI.—Females at work.....	34	23	6	7	5	13	....	3	6	3	7	7	8	1	....	....	....	123	5235	42.5 "
Grand total.....	445	371	290	302	277	345	353	416	515	639	640	573	522	250	100	30	11	6079	355860	58.5 years.

EXPLANATION OF THE DIAGRAMS.

The births in the Province, in the cities, and in the towns, are indicated on diagrams 1 and 2, by straight red lines, and the deaths in the same places on diagrams 3 and 4, by straight black lines.

The death waves in the cities, towns, and rural districts are indicated by the following lines :—

Cities. ——

Towns. ---------

Rural Districts. + + +

The mortality from lung diseases, nervous diseases, diphtheria and fevers in the Province, also in the cities, towns, and rural districts is indicated by the following lines :—

Province. ——

Cities and Towns. ---------

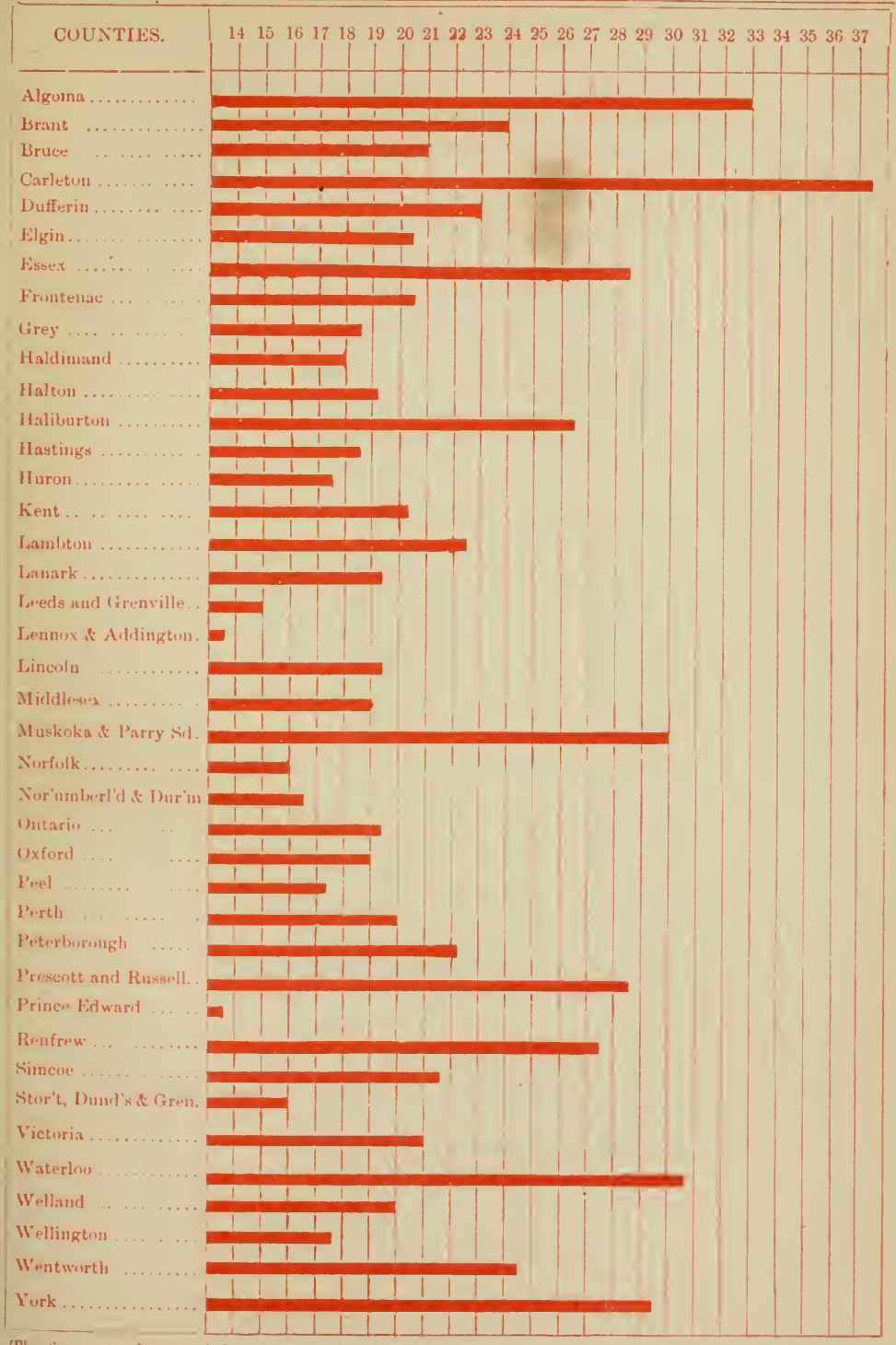
Rural Districts. + + +

To those interested in vital statistics, a study of these diagrams, which shew a comparison of the mortality in the different localities of the Province, willbe found interesting. It is believed that they are drawn so plainly as not to require any lengthy explanations.

DIAGRAMS.

No. 1.

Diagram shewing the ratio of Births to each 1000 of the Population in each County of the Province in 1888.



The figures at the top of the perpendicular lines indicate the ratio of births in each 1000 of the population.

Designed by F. Warwick.

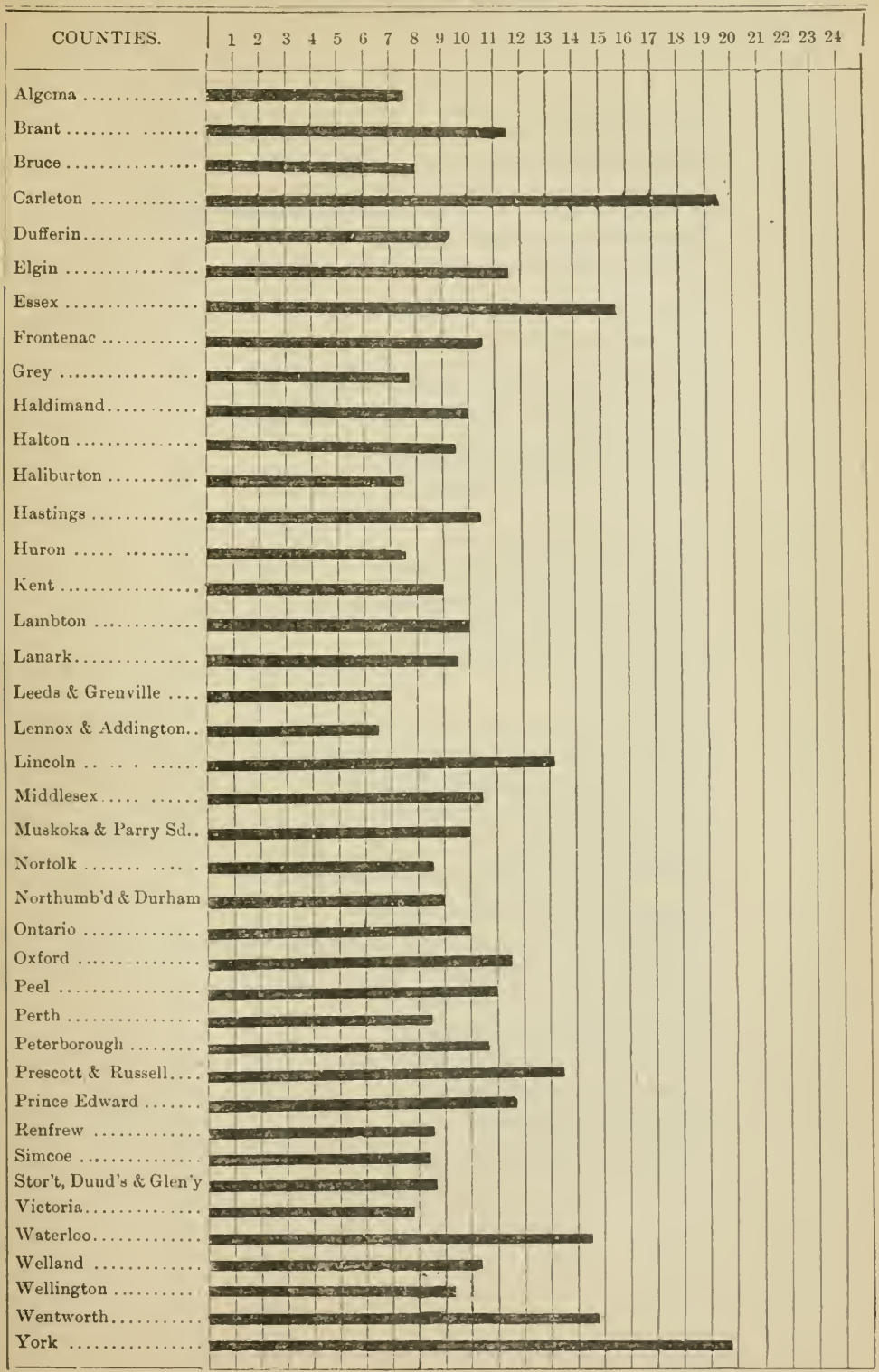
No. 2.

Diagram showing the ratio of Births to each 1000 of the Population in each City and Town in the Province in 1888.

The figures at the top of the perpendicular lines indicate the ratio of births to each 1000 of the population.

No. 3.

Diagram showing the ratio of Deaths to each 1000 of the Population in each County of the Province in 1888.



Designed by F. Warwick.

The figures at the top of the perpendicular lines indicate the ratio of deaths to each 1000 of the population.

No. 4.

Diagram showing the ratio of Deaths to each 1000 of the Population in each City and Town in 1838.

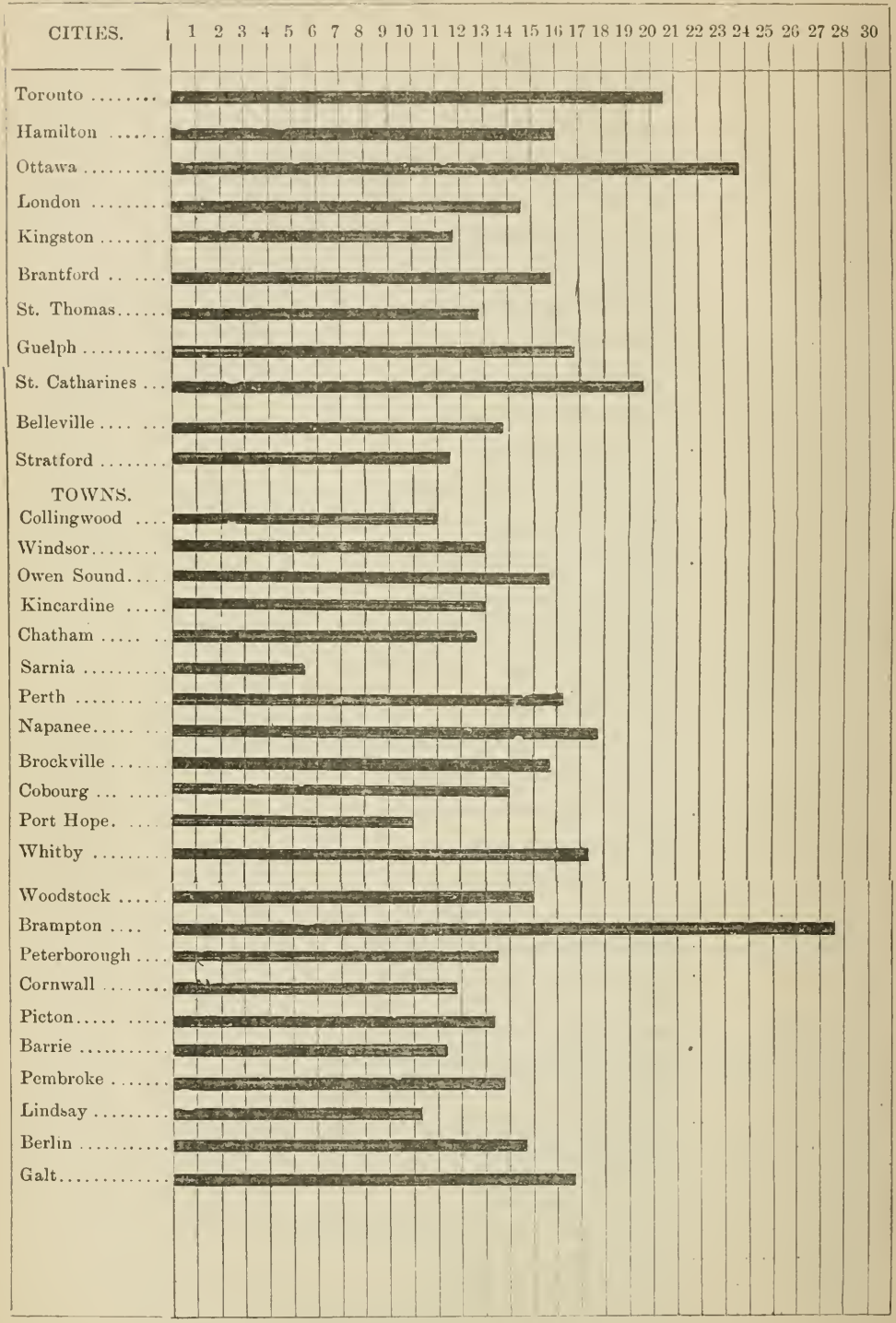
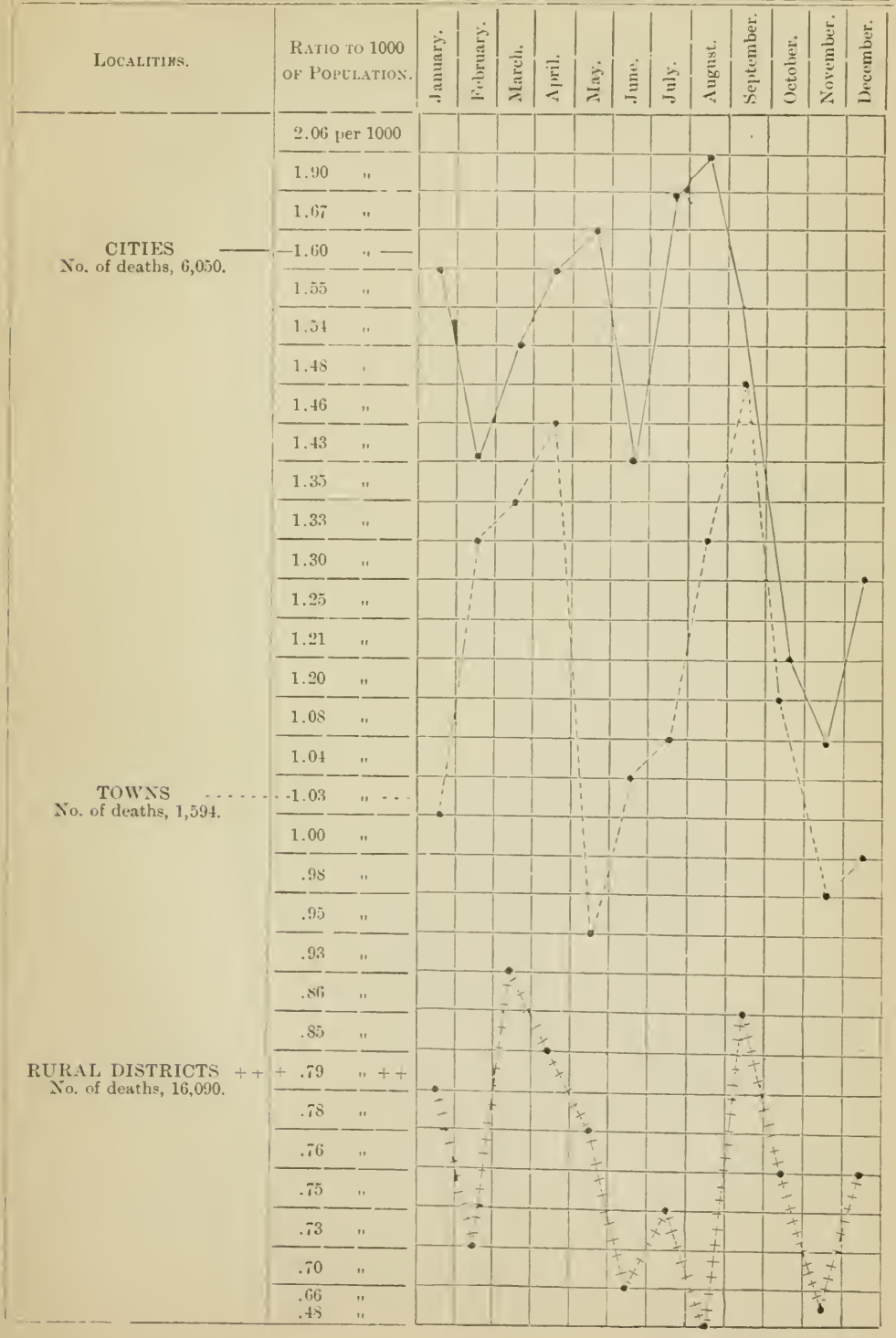


Diagram No. 5.

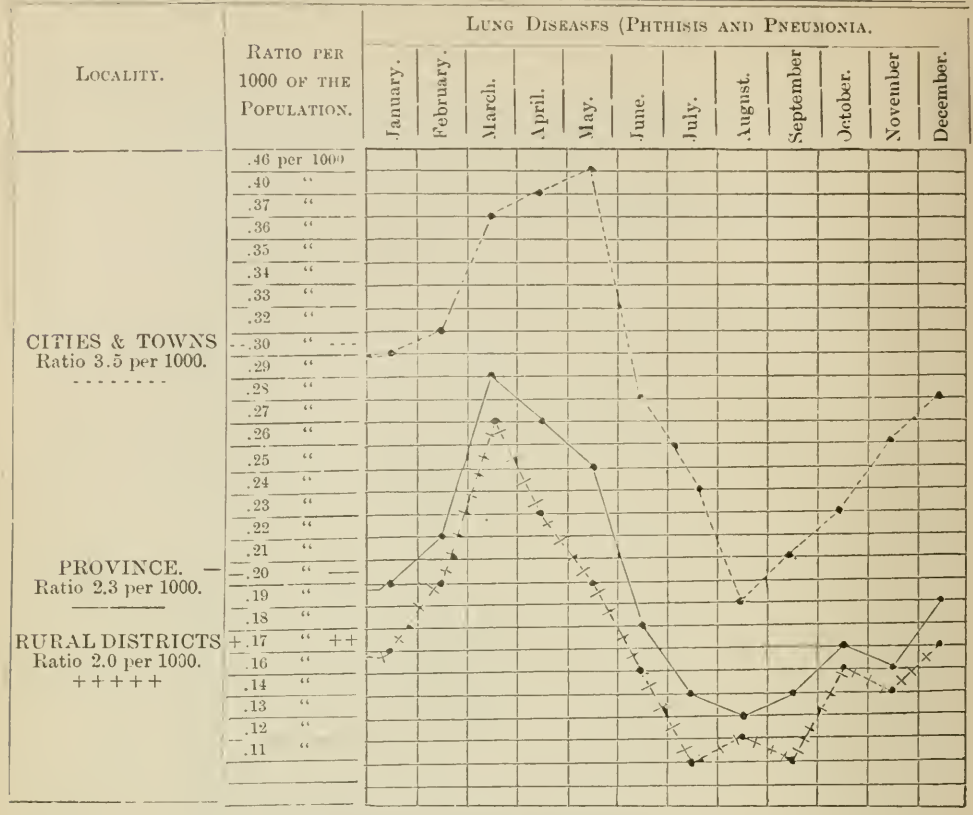
Showing the ratio of Deaths to each 1000 of the Population during the months of the year in the Cities, Principal Towns and in the Rural Districts for 1888.

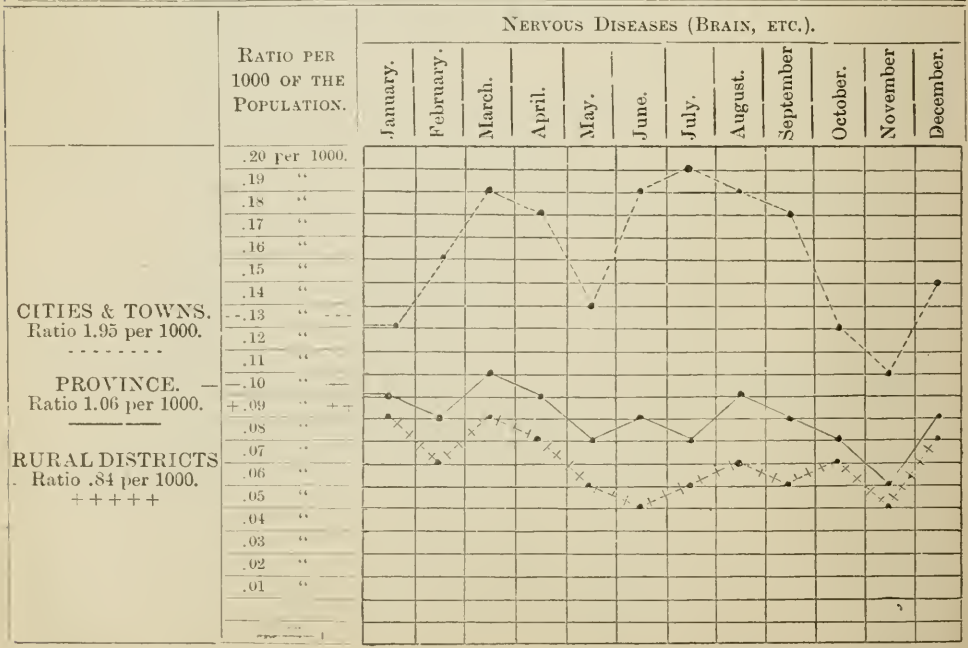


Designed by F. Warwick.

Diagram No. 6.

Comparison between the mortality from Lung Diseases, Nervous Diseases, Diphtheria

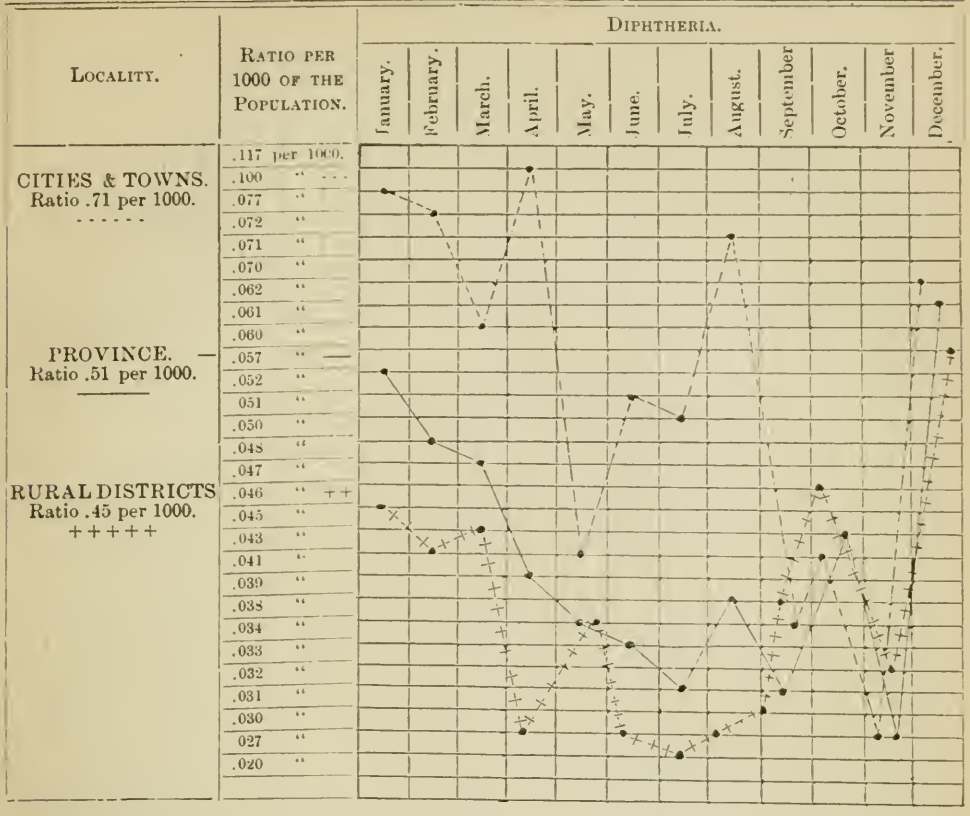


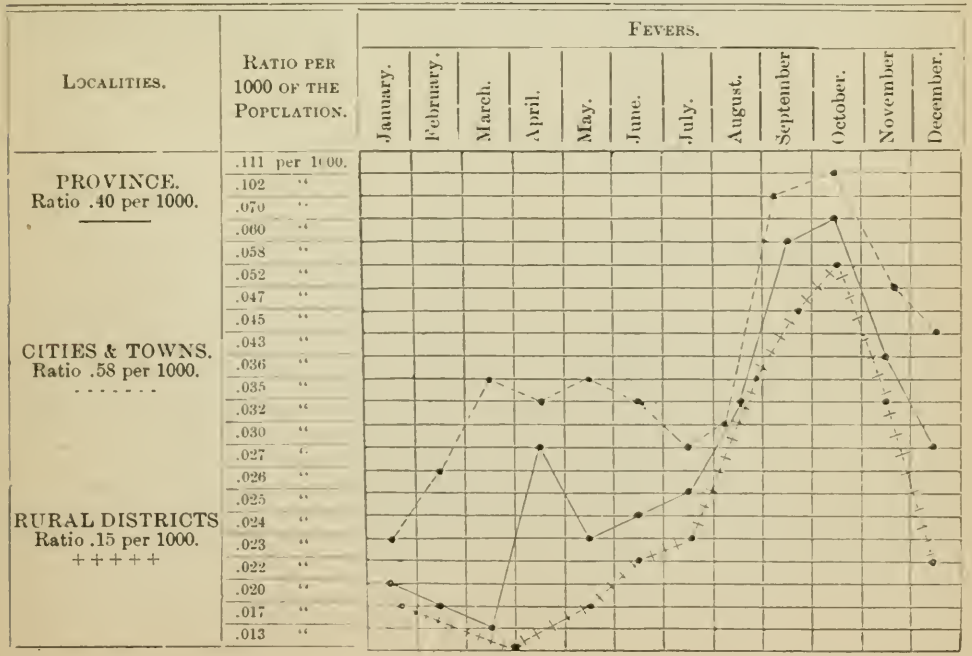


Designed by F. Warwick.

Diagram No. 7.

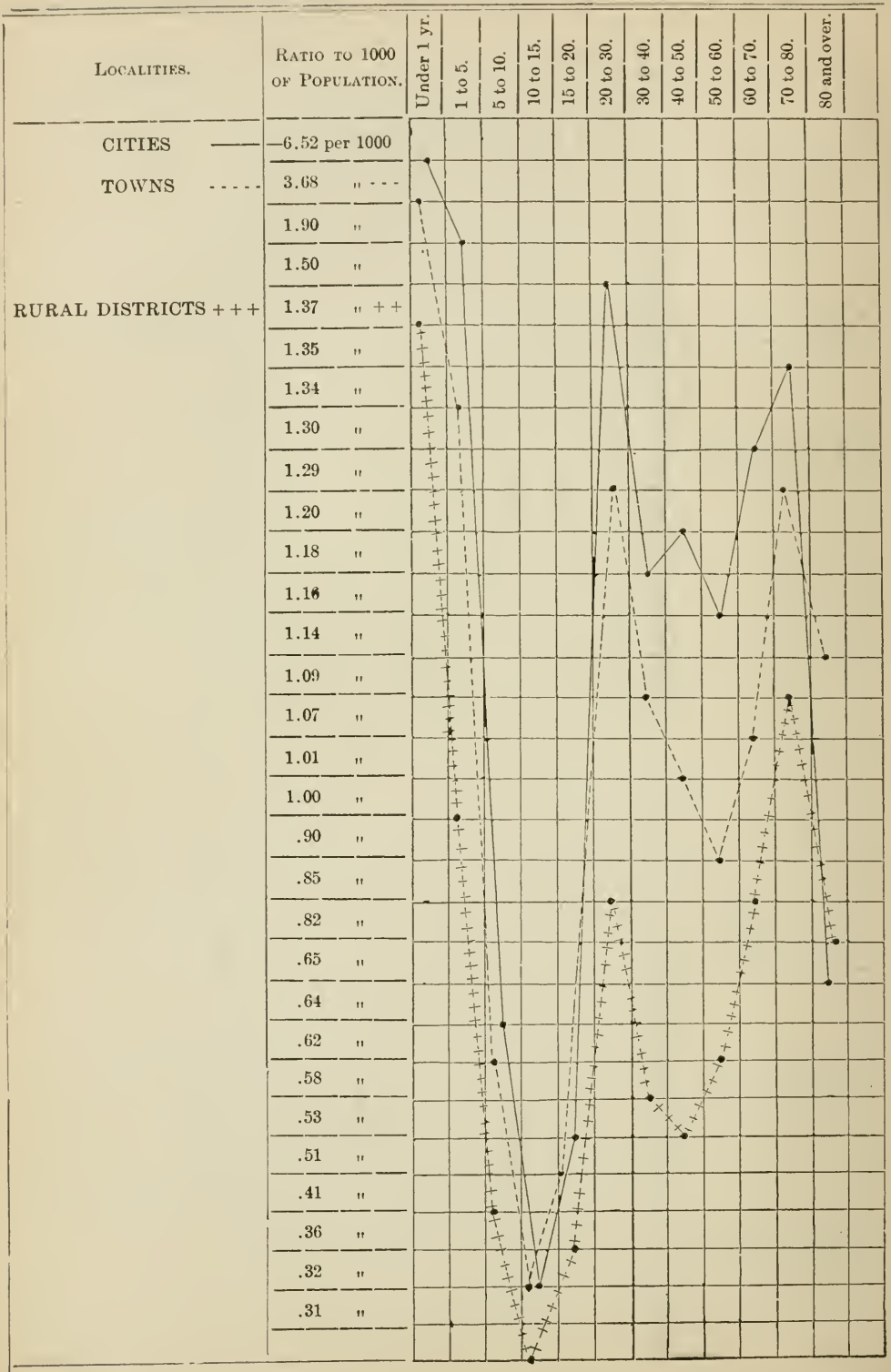
and Fevers in the Province, in the Cities and Towns, and in the Rural Districts.





No. 8.

Ratio of Deaths during the different periods of life.



DEATHS.

In the Province.

No. of Deaths, 23,734; ratio to Population, 11.0 per 1,000.

The rate in 1888 was a little lower than in 1887, owing to an allowance being made for the increase in population.

In the counties the rate in 1888 ranged from 7.5 per 1,000 in Huron; 7.6 in Grey; and 7.7 in Bruce to 15.8 per 1,000 in Essex and Wentworth; and 19.6 per 1,000 in Carleton and York.

The same peculiar changes from year to year in the returns, referred to in the observations on births, are also noticeable in the returns of deaths, as the following extracts shew. Nine counties, viz.: Bruce, Dufferin, Frontenac, Grey, Hastings, Huron, Kent, Lennox and Addington, Victoria and the Districts of Algoma and Haliburton, returned more deaths in 1887 than in 1886, but less in 1888 than in 1887; and the following ten counties, viz.: Brant, Carleton, Essex, Halton, Leeds and Grenville (united), Lincoln, Norfolk, Peel, Prince Edward and York, returned less deaths in 1887 than in 1886, and more deaths in 1888 than in 1887, shewing how regularly the returns fluctuate in many counties.

The greatest variation in the returns in any county was in Carleton. In 1886 it returned 1,486 deaths, an increase of 230 over the number returned in 1885; in 1887 the deaths numbered 1,225, a decrease of 261; again in 1888 the same county returned 1,382 deaths, an increase of 157, so that in consequence of these variations the deaths only increased 126 over the number returned in 1885.

The ratio of deaths in eleven counties, viz.: Bruce, Grey, Huron, Leeds and Grenville (united), Norfolk, Northumberland and Durham (united), Perth, Renfrew, Simcoe, Stormont, Dundas and Glengarry (united), Victoria and in the Districts of Algoma, and Haliburton was less than 9 per 1,000, in six of them only 8 per 1,000, and three of them were as low as 7 per 1,000. The cause of these low ratios can be only attributed to the non-registration of the deaths occurring in those counties and districts.

Cities.

No. of deaths, 6,050; ratio 18.4 per 1,000.

The death ratio per 1,000 in the cities was less than in 1887, although there were 156 more deaths; owing to the increase in population being greater in proportion than the increase in the number of deaths.

The changes in the return of deaths from year to year in the cities were similar to those from the counties as the following extracts shew. Four cities, London, Kingston, St. Thomas and Belleville, registered more deaths in 1887 than in 1886; in 1888, however, they returned a decrease, while six cities, viz.: Toronto, Hamilton, Ottawa, Brantford, St. Catharines and Stratford, which returned a decrease in 1887 from 1886, returned an increase in 1888 over 1887. Ottawa City exhibited the greatest change. In 1887 the deaths in that city numbered 260 less than in 1886, whereas in 1888 they were 118 more than in 1887. The death-rate in St. Catharines in 1888 was unusually high 20.6 per 1,000 accounted for in part by a large increase in the number of deaths from consumption. In 1887 only 9 deaths were reported from that disease, whereas in 1888 32 deaths were so reported.

The lowest death-rate was returned from Stratford, 11.2 per 1,000.

Principal Towns.

No. of deaths, 1,594 ; ratio 14.3 per 1,000.

The returns from the principal towns shew an increase of 164 deaths, and also a slight increase in the ratio per 1,000 of the population over 1887. The death-rate in the town of Brampton was very high 27.6 per 1,000, higher in fact than in any, county, city or town in the Province. During the last five years the ratio in that town has been more than 20 per 1,000, in every year.

If the population given by the assessors (3,297) be correct, Brampton cannot be considered a healthy locality, if judged by its death-rate. There were however, 14 deaths from old age recorded, which if deducted from the total deaths in that town would reduce the death-rate to 23.3 per 1,000. The principal causes of death were phthisis, nervous diseases, pneumonia, and other lung diseases.

Sex and Season.

See table 16 and 17 ; pages 20 and 21.

The deaths of males in the Province numbered 12,514; and the females 11,220, giving a proportion of 111.5 males to 100 females ; the proportion in 1887 was 108 8 to 100. In the births registered in the Province in 1888, the proportion between the sexes was 107.6 males to 100 females, therefore the proportion of male to female deaths was greater than the proportion of male to female births. In the periods of life under one year, from 1 to 5, and from 5 to 10 years the mortality of males exceeded that of the females, and also in all the periods from 50 years and upwards, except in the ages between 90 and 100 years, where the female deaths exceeded the males. In the periods from 10 to 15 years, and in each of the four succeeding periods, viz. : from 15 to 20 years ; 20 to 30 years ; 30 to 40 years, and 40 to 50 years ; more female deaths were recorded than males.

In the cities the proportion between male and female births was 110.8 males to 100 females, in the deaths 114.9 males to 100 females, therefore the proportion between the sexes was greater in the cities than in the Province.

The deaths in the month of August numbered 2,269, being 133 more than in the same month in 1887, causing that month to take the first place in the order of deaths by months. In previous years March held that position. The months of June and November are the healthiest months of the year, they occupy the eleventh and twelfth position respectively in the order of deaths by months. In the returns from the cities, August also holds the first place and November the twelfth or lowest position.

Ages.

See tables 18, 19 and 20 ; pages 22, 23 and 24.

The increase in the mortality in 1888 was chiefly amongst children under one year, the returns showing 538 more deaths at that tender age than in 1887.

Infantile mortality is determined largely by the prevalence of diarrhœal diseases, and it appears from the returns that in 1888 these diseases were more than usually prevalent in the months of August and September amongst children under one year. In the next period from one to five years the number of deaths was nearly the same as in 1887. Many changes are, however, observable in the mortality during the other periods of life. Between 5 and 10 years there was a decrease of 127 deaths ; between 10 and 20 years an increase of 23 ; between 20 and 30 years a decrease of 77, and also a decrease of 33 in the period between 30 and 40 years. In the next four periods, 40 to 50 years ; 50 to 60 years ; 60 to 70 years, and 70 to 80 years, there was an increase in each period, but in the period from 80 to 90 years, therewas a decrease of 79, and in the last period of life from 90 to 100 there was an increase of 62 years.

In the cities there was an increase of 343 deaths of children under one year, and in five other periods there was also an increase. In the other seven periods, however, there was a decrease in the mortality as compared with 1887.

Centenarians.

See table 18; page 22.

In 1888 the deaths of 21 reputed centenarians were reported. In 1887 there were 24 reported. Twelve of the 21 registered in 1888 are stated to have exceeded a century of life, and one man named Israel Talbot, of the County of Oxford, was recorded as having attained the age of 110 years at the time of his death. It seems hardly necessary to repeat what has been so often stated in former reports, that except in one or two cases no reliable evidence was obtainable to prove that these parties lived to the advanced ages registered from year to year.

Nationality of Decedents Over 60 Years of Age.

See table 19; page 23.

This table gives the birth place of all who died in Ontario at the age of sixty years and over. They numbered 6,195 or 391 more than in 1887. Natives of Ireland, predominated, Canadians were next highest, then follow the English and Scotch; the numbers of the other nationalities were small in comparison with the four above-named.

TEN HIGHEST CAUSES OF DEATH.

See tables 22, 23 and 24; pages 28, 29 30 and 31.

Pneumonia.

No. of Deaths, 2,537.

Under this comprehensive heading were included Inflammation of the Lungs Bronchitis, and other diseases of the lungs not included under Phthisis.

The number of those who died from these causes in 1888 was so much in excess of the number recorded in 1887, that together they became the highest cause of death in 1888.

The ratio to population was as follows:

For the whole Province	1.2	per 1,000
" cities	1.9	"
" towns	1.7	"
" rural districts	1.02	"

The counties of York, Essex, Haldimand, Lincoln and Wentworth, returned the highest mortality from these Lung diseases.

In the other counties the mortality varied from .3 per 1,000, in Prescott and Russell (united), to 1.5 in Brant.

The returns from the cities shew that the death-rate from these causes was very high in St. Catharines, Toronto and Brantford, viz: 2.7, 2.3 and 2.2 per 1,000 respectively. The mortality was still higher in the towns; Brampton's death-rate from the same causes was 4.0 per 1,000; Perth 3.7 per 1,000; Woodstock 2.5 per 1,000; Barrie 2.4 per 1,000, and Galt 2,2 per 1,000.

As usual a very large percentage of these deaths were of children under one year of age. In the Province they numbered 586 or 23 per cent. of the total deaths in this class. In the cities they numbered 166 or 27 per cent. In the towns 57 or 31 per cent., and in the rural districts 363 or 21 per cent.

Phthisis (Consumption).

No. of deaths, 2,521.

There was a slight decrease in the number of deaths from this cause; it still, however, holds the second highest place in the causes of death in the Province. Medical men and other scientists have for many years studied to devise means to decrease the mortality from Consumption, but so far without that success which their efforts have deserved.

The ratio to population was as follows:

For the whole	Province	1.18	per 1,000
"	cities	1.8	"
"	towns	1.5	"
"	rural districts	1.03	"

Consumption was most fatal in the counties of York, Wentworth, Prince Edward, Lincoln and Carleton, and the least so, in the counties of Grey, Simcoe, Huron, Halton, Haldimand, and in the districts of Haliburton, and Muskoka. In the cities St. Catharines returned the highest rate 3.1 per 1.000, nearly double the average for the eleven cities. Belleville's death-rate was also high 2.2 per 1,000. The towns of Brampton, Picton and Napanee, had a much larger death-rate than the other towns, the two first-named had each a ratio of 2.2 per 1,000, and Napanee 3.1 per 1,000.

In the rural districts the rate was considerably below that for the whole Province.

In the returns from the Province a much larger number of females than males were victims of Consumption, especially in the periods of life from 15 to 20 years; 20 to 30 years, and 30 to 40 years. In the cities the mortality from this cause was greater among the males than the females, in the two periods from 15 to 20, and 20 to 30 years.

Old Age.

No. of deaths, 2,365

Old age in 1887 occupied the position of first in the list; this year it is third, the number of deaths in 1888 being 252 less than in 1887.

The ratio to population was as follows:

For the whole	Province	1.11	per 1,000
"	cities	1.0	"
"	towns	1.4	"
"	rural districts	1.1	"

With the exception of a few counties in which the death-rate from old age was either very high or very low, the variation in the death-rate in the different counties was not very great, only varying from .9 per 1,000 to 1.4 per 1,000.

In the cities the death-rate was less than in either of the other localities. Life in cities was not conducive to old age.

Nervous Diseases.

No. of Deaths, 2,275.

Nervous diseases include all affections of the Brain, and Infantile Convulsions. They occupied the fourth place in the list for the Province, first in the list for the cities, and second in the list for the towns.

There was an increase of 108 deaths from these causes in 1888.

The ratio to population was as follows :

For the whole Province	1.07	per 1,000.
" cities	2.0	"
" towns	1.6	"
" rural districts	.8	"

The large number of children dying from Infantile Convulsions was the principal cause of so many deaths having been recorded from Nervous diseases.

In the period of age under one year aud from one to five, 1,139 deaths were recorded under Nervous diseases, a very large proportion of them died from Infantile Convulsions, and in the cities and towns the same Infantile mortality was recorded, viz,, 357 under one year, and 125 between one and five years.

The season of fatality from all these diseases was in the first three months of the year in the Province and cities. In the towns the second quarter was the most fatal.

Anæmia (General Debility.)

No. of Deaths, 2,271.

Under this heading are classed those infants and old people for whose deaths no other cause was given than " Debility."

The ratio to population was as follows :

For the whole Province	1.06	per 1,000.
" cities	1.9	"
" towns	1.3	"
" rural districts	.8	"

The number of children recorded as having died from Infantile Debility under one year of age was 1,721, over seventy-two per cent. of the whole number of deaths classed under Anæmiá

Owing to the absence in many cases of a medical man at the time of the death of these children, a proper diagnosis of the causes of death was not given, and often no cause whatever was assigned, they were therefore classed under " Infantile Debility." As 734 of them died during the hot summer months of July, August and September, it was quite probable that the majority of them died from Diarrhœal diseases, generally very prevalent in those months.

Heart Diseases (Including Apoplexy.)

No. of Deaths, 1,567.

The mortality from diseases of the heart are increasing from year to year, as the returns shew. There was an increase in 1888 of 111 over the number returned in 1887.

The ratio to population was as follows:

For the whole Province	.7	per 1,000.
" cities	1.3	"
" towns	.9	"
" rural districts	.6	"

The deaths from these diseases were fairly divided between the different months of the year.

The majority of the deaths from Heart disease (940 or 60 per cent.) occurred in the periods of life between 50 and 60 years, 60 to 70 years and 70 to 80 years.

It was, generally speaking, more fatal in the cities than in the rest of the Province.

Diphtheria.

No. of Deaths, 1,088.

It is a pleasure to record the continued decrease in the number of deaths from this very fatal disease. In 1887 there was a decrease of 66 deaths from this cause; in 1888 the deaths were 252 less than in 1887.

The ratio to population was as follows:

For the whole Province	.5	per 1,000.
" cities	.7	"
" towns	.5	"
" rural districts	.4	"

The counties of Carleton, Dufferin, and Prescott and Russell (United), returned the highest death-rate from Diphtheria. Although the County of Prescott and Russell (United), returns a high death-rate from Diphtheria, 1.2 per 1,000, it was much lower than in 1887, when it was 2.1 per 1,000 living. It was also rather prevalent in the counties of Essex, Norfolk, Oxford, Prince Edward and York, The county of Prince Edward which returned only two deaths from this disease in 1887, returned 17 deaths in 1888.

Diarrhœal Diseases.

No. of Deaths, 934.

These diseases were more prevalent than in 1887, and have therefore advanced from the ninth to the eighth place in the ten highest causes of death in the Province.

A similar advance also took place in the cities, and towns, owing to the increased mortality in these places from Diarrhœal diseases. The cities held the eighth place in the list in 1887, in 1888 they advanced to the sixth. The towns held the ninth place in 1887, in 1888 they stand seventh in the list.

The ratio to population was as follows:

For the whole Province	.43	per 1,000
" cities	1.00	"
" towns	.7	"
" cities	.3	"

Many of the deaths of infants reported as dying in the summer months from Infantile Debility were probably victims to some of the diarrhœal diseases, and should have been so reported. If this inference is correct, the death-rate from these diseases would have been still higher than that given, viz., .43 per 1,000.

These diseases prevailed as usual in the hot weather, being but little prominent until July, and decreasing after September.

They are diseases of the extremes of life, viz., infancy and old age, especially in the former, as 557 or nearly 60 per cent died when under one year of age.

Enteritis and Gastritis (Inflammation of Bowels and Stomach.)

No. of Deaths, 909.

The ratio to population was as follows :

For the whole Province	.42	per 1,000.
" cities	.6	"
" towns	.63	"
" rural districts	.36	"

No county gave a very high death-rate from these diseases, though in the following counties the rate was more than the average, viz., York and Waterloo, .7 per 1,000, each, Carleton, Elgin, Essex, Ontario and Oxford, .6 per 1,000, each.

The death-rate from Diarrhœal diseases was higher in the cities. In Hamilton, Ottawa and Kingston, it was .8 per 1,000, and in some of the towns the death-rate was still higher, viz., in Lindsay, 1.2 per 1,000, Perth, Picton and Whitby, 1.0 per 1,000, each.

The deaths from Enteritis were in excess among the young and old, in the other periods of life the mortality was small. July and August were the most fatal months

Fevers.

No. of Deaths, 850.

The different kinds of fevers have been grouped under the above general heading. The mortality from them has increased to so large an extent, that they appear for the first time in the ten highest causes of death, occupying the tenth or last position.

The ratio to population was as follows :

For the whole Province	.4	per 1,000.
" cities	.6	"
" towns	.56	"
" rural districts	.3	"

Typhoid Fever continues to be the most fatal of the fevers, although there was a slight decrease in the number who died from it in 1888. In the following counties more than the average mortality from Typhoid Fever was returned, viz., Brant, Essex, Lambton and Oxford. In the cities of Stratford, Brampton and Ottawa, the same fever was quite prevalent. In the towns of Woodstock, Picton, Windsor and Owen Sound, the death-rate from all kinds of fevers was unusually high, viz., 1.8, 1.3, 1.0 and .9, respectively, while the average for all the towns was only .56 per 1,000. More deaths are reported from fevers at the ages between 20 and 30 years than at any other period in life.

The rural districts present a very low death-rate from fevers, in comparison with that of the cities and towns.

FIVE HIGHEST CAUSES OF DEATH IN THE DIFFERENT PERIODS OF AGE.

(*See Table 25, Page 32.*)

This table presents the five principal causes of death, and the position they occupy as regards priority in each of the twelve periods of age. In the first division under one year, Anæmia, which includes Infantile Debility, was the highest cause of Death; it does not appear again as one of the five causes of death in any other period of life, as the greater portion of the deaths from this cause were children under one year.

Nervous diseases appear in every period except one, but they never occupied the highest position, generally ranking fourth or fifth. Pneumonia, although not the highest cause of death in any period, holds a prominent position in every period of age; therefore these two causes of death, Nervous diseases and Pneumonia, seem to affect people in every period of life. Diphtheria was first in the second, third and fourth periods, and last in the fifth.

The mortality from Phthisis was not so great under ten years of age, as to give it a place among the five highest causes of death; it held the first position however in the four periods from 15 to 20, 20 to 30, 30 to 40, and 40 to 50 years, it was also the second highest cause of death between 10 and 15 years, and fourth between 60 and 70 years. No other disease held the position of the principal or highest cause of death in so many periods of life as Phthisis. Heart disease ranks first in the two periods between 50 and 60 years, and between 60 and 70 years, it was also second in the last two periods, from 70 to 80, and from 80 to 90 years.

Fevers appear in five periods, generally as the third highest cause of death.

DEATHS BY OCCUPATIONS.

(*See Table 26, Page 34.*)

No. of Deaths, 6,079; Average Age, 58.5 Years.

There was a decrease of 294 deaths of those whose calling or occupation was given. The average length of life was, however, nearly two years longer than in 1887.

The following is a review of the different classes, into which the various occupations were divided.

Classs I.—Cultivators of the Soil.

No. of Deaths, 2,825; Average Age, 61.8 Years.

Farmers and others engaged in the cultivation of the land, are, considering their numbers longer lived than any other workers. Of the 2,825 who died while following this calling, 1,654 or 60 per cent., lived to be 65 years of age and over, 266 lived to be over 85 years, and six were 100 years old and over at the time of their deaths.

Class II.—Mechanics.

No. of Deaths, 946; Average Age, 53.6 Years.

Carpenters return 194 deaths, the highest number in this class. They were not, however, the longest lived, as quite a number of them (64) died before reaching the age of fifty years.

Tailors and Shoemakers generally return a very high average age, few of them died before fifty years of age; the majority, 96 or 66 per cent. of all of them, lived to be over sixty years of age. There were recorded the deaths of 30 Weavers, all excepting one died at sixty years and over, therefore their average age 62 years, was the highest in this class.

Those who followed the occupations of Bakers, Factory operatives, Plasterers, Stone cutters and Cigarmakers, were all short lived. Of the 82 deaths returned from these five callings, only 30 lived to be fifty years of age.

Class III.—Mercantile Men and Shopkeepers.

No. of Deaths, 565; Average Age, 50.2 Years.

The greatest mortality in this class was amongst Merchants, their deaths numbered 169, their length of life was above the average for the whole class.

The deaths of 110 Book-keepers and Clerks were recorded, their average age was low, only 19 out of the 110 who died, reached the age of fifty-five years, and 73 died before attaining the age of forty years.

Class IV.—Professional Men.

No. of Deaths, 331; Average Age, 50.8 Years.

The deaths of the members of three professions, Divinity, Medicine and Law, numbered 82. Clergymen lived longer than Doctors or Lawyers, as 23 of the 39 who died in 1888 were over 60 years of age at the time of their decease, and six of them lived to be 80 years and over; only three Physicians lived to that advanced age, and all the Lawyers died under 80 years of age.

Public Officials were the longest lived of this class, but the deaths of several superannuated civil service officials at advanced ages were included in the list.

Male teachers outlived the female teachers by many years, the returns shewing that 12 male teachers lived to be 60 years of age and over, while only three female teachers lived to be over 60 years of age. The mortality amongst female teachers was greatest under forty years, as 19 out of the 26 who died were under that age.

The heavy strain especially on the nervous system, to which those who follow teaching are subject, bears more heavily on females than upon males, and often results in their deaths in early life, or causes them to abandon the profession.

Class V.—Miscellaneous Occupations.

No. of Deaths, 396; Average Age, 62.6 Years

The members of this class together returned an average length of life longer than either of the other classes, The most prominent in the class both as to numbers and length of life were gentlemen. A large number of persons who some time previous to their death had retired from the duties of active life, were at their death returned as gentlemen, without any reference to the occupations they may at one time of their lives have followed, and as this ceasing to follow any occupation does not generally take place until late in life, therefore these gentlemen generally die at a good old age.

The deaths of 54 Railway Employees were recorded, principally in early life; 43 of them died under the age of 50 years, and only five lived to be more than 60 years.

The precarious nature of their occupation tended to shorten their lives.

Class VI.—Females at Work.

No. of Deaths, 123; Average Age, 42.5 Years.

This class only includes two occupations, female Domestics, and Milliners and Dressmakers. The average age of Domestics was about four years longer than Milliners and Dressmakers, shewing that household duties are more conducive to long life than needlework.

Few of either Domestics or Milliners and Dressmakers attained a greater age than 50 years, the returns shewing that of the 123 deaths of those who followed these two callings, only 35 were above 50 years of age at their death.

DEATHS.

The most important part of vital statistics is that which relates to the registration of deaths, especially the causes thereof. The lengthening of life in many parts of England since the establishment of civil registration, was caused by the death statistics published in the Registrars General's Annual Reports, which pointed out the excess of mortality in certain localities from fevers and other contagious diseases. This led the authorities of those localities to investigate the cause, and when found, measures were taken to remedy the evil, with the result that the death-rate was lowered and the length of life increased.

The benefit to be derived from death statistics. mainly depends upon their correctness, therefore, it becomes the duty of every one, particularly parents and medical men, to assist in perfecting the returns of deaths, when required to register the particulars of a death, by seeing that all the items required for registration are correctly and fully given, especially the "cause of death," the most important item, and one sometimes omitted or imperfectly given.

The following extracts from the remarks made by the Registrar General of England, in his Annual Report for 1887, on the fifty years of registratiou in that country, will be found interesting and instructive.

"The Registration Act of England came into force in July, 1837, and was opposed by the clergy and the uneducated masses, and supported by the medical and legal pro- "fession, particularly by the former. The Royal College of Physicians and Surgeons "issued a circular pledging themselves, and asking all their members to do the same, to "give in every instance that might fall under their care, an authentic name of the fatal "disease. The immediate benefit to medical knowledge to be derived from this action "on their part, was a more accurate knowledge, not only of the comparative prevalence "of various mortal diseases as regards the whole of England and Wales, but also of the "localities in which they respectively prevail, and the age, sex and condition of life, "which each principally affect; but a far greater benefit than any foreseen by these "medical authorities has in reality been obtained from it, namely, an addition of more "than two years to the average span of life of the inhabitants of England and Wales. "That such an addition has, however, been made, and that it has been the result of the "Registration Act that came into force in 1837, is beyond all doubt. For it is the "*registration of deaths*, and of their causes that has made sanitation possible."

The Registrar General also quotes the following from the late Professor Parkes: "The attention now paid to public health, is in a large degree owing to the careful "collection of the statistics of births and deaths, and of the causes of death which have "been collected in England. It may truly be said indeed, that not only all Europe, "but gradually the entire world has been influenced, by the work of the Registrar "General of England. We are now able to determine the limits of mortality and its "causes with some precision, and are being led to a consideration of the causes which "bring about a too high death-rate."

The Registrar General further adds: "That it was only when the accumulation "and classification of registered facts showed that excess of mortality from certain "forms of disease was almost invariably associated with certain ascertainable external "conditions, that sanitary reformers were able to devise remedial measures, and bring "them to bear upon unhealthy localities with such precision as to give a fair chance of "success.

I have the honour to be, Sir,

Your obedient servant,

H. S. CREWE,
Inspector.

APPENDIX.

BIRTHS.

TABLE A.—BIRTHS BY MONTHS, 1888.

COUNTIES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of Pairs of Twins.	Triplets.	Illegitimate.	Still Born.
Algoma:																	
Males	36	37	48	55	58	46	38	38	44	52	44	38	534	4	.....	3	4
Females	37	31	43	40	46	37	42	38	30	43	48	37	472	6	.....	2	3
Total	73	68	91	95	104	83	80	76	74	95	92	75	1006	5 pairs.	.....	5	7
Brant:																	
Males	28	21	24	33	30	39	29	28	33	34	26	34	359	4	.....	5	6
Females	29	30	33	36	27	35	39	41	34	29	36	35	404	8	.....	1	3
Total	57	51	57	69	57	74	68	69	67	63	62	69	763	6 pairs.	.....	6	9
Bruce:																	
Males	59	73	66	63	75	71	51	62	64	67	56	76	783	8	.....	2	5
Females	70	62	70	55	63	46	62	57	54	62	64	72	737	6	.....	6	4
Total	129	135	136	118	138	117	113	119	118	129	120	148	1520	7 pairs.	.....	8	9
Carleton:																	
Males	131	106	121	123	117	96	125	114	124	115	112	125	1409	18	.....	124	14
Females	104	117	113	86	100	94	122	93	101	100	107	101	1238	12	.....	110	12
Total	235	223	234	209	217	190	247	207	225	215	219	226	2647	15 pairs.	.....	234	26
Dufferin:																	
Males	18	24	18	24	18	20	24	27	29	25	15	17	259	1	.....	1	1
Females	19	17	28	21	14	24	30	17	29	18	14	22	253	5	.....	1	1
Total	37	41	46	45	32	44	54	44	58	43	29	39	512	3 pairs.	.....	2	2
Elgin:																	
Males	41	46	54	45	31	33	29	42	41	48	36	37	483	6	.....	4	5
Females	39	40	44	37	33	34	50	39	44	34	37	37	468	4	.....	3	2
Total	80	86	98	82	64	67	79	81	85	82	73	74	951	5 pairs.	.....	7	7

Essex :																	
Males	65	72	63	50	51	63	61	85	60	57	40	53	720	1	. ...	3	5
Females	73	57	67	55	55	55	52	80	63	65	56	60	738	7	.....	3	1
Total	138	129	130	105	106	118	113	165	123	122	96	113	1458	4 pairs.	.....	6	6
Frontenac :																	
Males	54	48	43	41	36	41	33	37	42	43	39	47	504	7	. ....	6	5
Females	43	47	48	38	42	33	29	39	39	40	26	41	465	5	.....	10	3
Total	97	95	91	79	78	74	62	76	81	83	65	88	969	6 pairs	.....	16	8
Grey :																	
Males	65	60	67	63	72	77	54	65	64	74	42	69	772	7	.....	2	3
Females	44	69	53	44	46	58	49	57	58	66	44	59	647	5	....	3	6
Total	109	129	120	107	118	135	103	122	122	140	86	128	1419	6 pairs.	.....	5	9
Haldimand :																	
Males	18	23	18	18	21	29	21	36	25	23	17	20	269	3	.....	2	3
Females	19	12	16	22	21	18	17	23	19	18	19	23	227	3	.....	1	1
Total	37	35	34	40	42	47	38	59	44	41	36	43	496	3 pairs.	.....	3	4
Halton:																	
Males	19	26	20	23	12	22	21	17	13	28	20	25	246	1	.....	1	1
Females	13	14	18	10	15	22	14	17	25	21	21	26	216	1	.....	... ..	1
Total	32	40	38	33	27	44	35	34	38	49	41	51	462	1 pair.	.....	1	2
Haliburton :																	
Males	6	8	13	7	3	8	10	14	4	16	3	6	98	1	.....	3	2
Females	7	4	7	4	6	8	4	12	6	10	3	3	74	3	.....	1	2
Total	13	12	20	11	9	16	14	26	10	26	6	9	172	2 pairs.	.....	4	4
Hastings :																	
Males	48	43	55	35	48	47	52	59	44	55	47	52	585	7	.....	2	6
Females	46	47	38	40	46	40	38	44	49	45	39	56	528	3	.....	3	4
Total	94	90	93	75	94	87	90	103	93	100	86	108	1113	5 pairs.	.....	5	10
Huron :																	
Males	70	44	71	49	68	63	64	67	67	68	58	56	745	4	.....	3	9
Females	57	63	65	56	62	56	68	69	61	67	57	50	731	4	.....	3	5
Total	127	107	136	105	130	119	132	136	128	135	115	106	1476	4 pairs.	.....	6	14

TABLE A.—BIRTHS BY MONTHS, 1888.—*Continued.*

COUNTIES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of Pairs of Twins.	Triplets.	Illegitimate.	Still Born.
Kent:																	
Males	67	56	50	45	42	50	65	43	67	64	44	54	647	9	.....	2	5
Females	53	45	61	47	49	39	44	43	45	56	50	44	576	5	.....	2	1
Total	120	101	111	92	91	89	109	86	112	120	94	98	1223	7 pairs.	.....	4	6
Lambton:																	
Males	60	43	52	55	53	40	64	63	63	62	52	52	659	2	....	3	4
Females	51	53	53	46	54	42	43	71	61	48	55	60	640	4	.....	1	2
Total	111	96	105	101	107	82	107	137	124	110	107	112	1299	3 pairs.	.....	4	6
Lanark:																	
Males	25	33	30	30	32	30	30	32	32	32	32	32	370	2	.....	3	5
Females	28	29	31	26	30	25	26	27	31	28	30	28	349	4	.....	3	3
Total	53	62	61	56	62	55	66	59	63	60	62	60	719	3 pairs.	.....	6	8
Leeds and Grenville:																	
Males	38	43	45	40	32	52	47	50	46	49	43	31	516	2	.....	.....	2
Females	30	41	35	46	33	46	43	54	36	41	38	34	477	2	.....	2	1
Total	68	84	80	86	65	98	90	104	82	90	81	65	993	2 pairs.	.....	2	3
Lennox and Addington:																	
Males	15	13	17	10	13	19	16	24	21	10	16	17	193	3	.....	1	2
Females	12	15	11	12	14	14	12	9	12	12	13	20	156	3	.....	1	.....
Total	27	28	28	22	27	33	28	33	33	22	29	37	349	3 pairs.	.....	2	2
Lincoln:																	
Males	35	23	31	24	28	35	24	30	28	28	23	26	335	4	.....	2	4
Females	30	27	34	29	34	25	22	32	23	22	28	28	334	8	.....	1	1
Total	65	50	65	53	62	60	46	62	51	50	51	54	669	6 pairs.	.....	3	5

Middlesex:																	
Males	82	79	85	87	82	87	85	104	81	79	75	87	1013	7	3	10	5
Females	75	93	79	91	64	71	91	86	67	82	72	78	949	11	.....	4	2
Total	157	172	164	178	146	158	176	190	148	161	147	165	1962	9 pairs.	1 set.	14	7
Muskoka and Parry Sound:																	
Males	58	60	57	57	47	51	58	48	65	48	46	46	641	8	.....	3	5
Females	47	62	53	48	43	39	64	41	52	37	35	43	564	4	.....	2	4
Total	105	122	110	105	90	90	122	89	117	85	81	89	1205	6 pairs.	.....	5	9
Norfolk:																	
Males	25	24	20	17	20	21	29	26	36	22	18	22	280	2	.....	3	2
Females	29	29	22	28	25	23	27	29	35	16	24	25	312	4	.....	1	2
Total	54	53	42	45	45	44	56	55	71	38	42	47	592	3 pairs.	.....	4	4
Northumberland and Durham:																	
Males	52	64	70	66	62	52	70	57	64	67	48	52	724	13	.....	1	3
Females	64	59	58	52	47	49	63	54	62	48	54	57	667	13	.....	5	1
Total	116	123	128	118	109	101	133	111	126	115	102	109	1391	13 pairs.	.....	6	4
Ontario:																	
Males	41	40	48	39	31	39	61	58	39	37	44	45	520	8	.....	7	4
Females	42	47	47	46	34	41	54	43	48	39	33	40	514	4	.....	3	5
Total	83	87	95	85	65	80	115	101	87	76	77	85	1034	6 pairs.	.....	10	9
Oxford:																	
Males	40	58	54	42	33	48	48	61	40	41	31	36	532	2	.....	1	2
Females	38	55	48	47	40	39	42	50	48	46	43	28	524	8	.....	3	2
Total	78	113	102	89	73	87	90	111	88	87	74	64	1056	5 pairs.	.....	4	4
Peel:																	
Males	31	23	27	17	24	20	27	17	23	20	17	20	266	2	.....	.....	2
Females	21	24	24	20	20	20	17	19	23	17	11	17	233	2	.....	.....	.....
Total	52	47	51	37	44	40	44	36	46	37	28	37	499	2 pairs.	.....	.....	2
Perth:																	
Males	52	53	51	47	49	58	42	47	55	59	48	49	610	3	.....	3	4
Females	42	53	54	41	42	47	37	33	43	51	41	37	521	3	.....	2	2
Total	94	106	105	88	91	105	79	80	98	110	89	86	1131	3 pairs.	.....	5	6

TABLE A.—BIRTHS BY MONTHS, 1888.—*Continued,*

COUNTIES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of Pairs of Twins.	Triplets.	Illegitimate.	Still Born.
Peterborough :																	
Males	29	30	37	39	43	37	40	38	31	35	23	42	424	3	.....	4	2
Females	33	22	18	22	28	29	31	26	40	25	24	25	323	3	.....	3	5
Total	62	52	55	61	71	66	71	64	71	60	47	67	747	3 pairs.	.....	7	7
Prescott and Russell :																	
Males	46	63	62	60	47	44	56	44	49	50	43	41	605	2	.....	2	3
Females	43	51	71	55	38	45	54	43	46	43	45	42	576	6	.....	2	2
Total	89	114	133	115	85	89	110	87	95	93	88	83	1181	4 pairs.	.....	4	5
Prince Edward :																	
Males	11	10	16	11	13	15	11	13	12	12	8	7	139	1	.....	.....	2
Females	13	11	11	13	14	8	17	9	19	9	10	13	147	1	.....	2	1
Total	24	21	27	24	27	23	28	22	31	21	18	20	286	1 pair.	.....	2	3
Renfrew :																	
Males	56	50	62	52	60	56	58	49	61	49	54	43	650	8	.....	5	8
Females	49	45	49	38	45	48	43	46	53	54	50	44	564	2	.....	2	3
Total	105	95	111	90	105	104	101	95	114	103	104	87	1214	5 pairs.	.....	7	11
Simcoe :																	
Males	72	86	88	65	77	77	76	78	77	89	72	68	925	8	.....	7	4
Females	70	68	76	67	68	71	79	70	67	78	63	60	837	4	.....	3	5
Total	142	154	164	132	145	148	155	148	144	167	135	128	1762	6 pairs.	.....	10	9
Stormont, Dundas and Glengarry :																	
Males	53	58	54	58	49	55	53	52	51	48	52	55	638	5	1	4	4
Females	52	53	58	56	48	53	51	45	48	43	46	54	607	5	2	3	5
Total	105	111	112	114	97	108	104	97	99	91	98	109	1245	5 pairs.	1 set.	7	9

Victoria:																	
Males	33	39	36	32	33	29	38	37	38	33	29	37	414	3	.....	3	3
Females	35	31	33	30	28	33	29	28	24	24	38	34	367	3	.....	2	3
Total	68	70	69	62	61	62	67	65	62	57	67	71	781	3 pairs.	.....	5	6
Waterloo:																	
Males	63	67	65	58	55	63	62	60	63	62	61	52	731	6	.....	4	4
Females	67	51	70	60	62	54	50	63	62	64	59	46	708	8	.....	5	2
Total	130	118	135	118	117	117	112	123	125	126	120	98	1439	7 pairs.	.....	9	6
Welland:																	
Males	34	24	31	29	34	27	26	36	28	26	29	28	352	2	2	2	2
Females	31	29	36	33	26	28	24	33	29	25	31	24	349	2	1	1	.....
Total	65	53	67	62	60	55	50	69	57	51	60	52	701	2 pairs.	1 set.	3	2
Wellington:																	
Males	59	50	53	54	52	44	50	61	54	56	53	66	652	10	.....	5	7
Females	49	60	58	52	48	51	48	53	56	50	52	57	634	12	.....	3	6
Total	108	110	111	106	100	95	98	114	110	106	105	123	1286	11 pairs.	.....	8	13
Wentworth:																	
Males	77	63	99	70	85	79	75	98	88	81	65	55	935	9	.....	25	12
Females	84	66	86	69	70	74	65	75	86	75	61	58	869	7	.....	27	11
Total	161	129	185	139	155	153	140	173	174	156	126	113	1804	8 pairs.	.....	52	23
York:																	
Males	238	255	233	251	192	211	251	251	268	236	211	220	2817	44	.....	77	14
Females	197	225	216	228	202	215	241	239	233	218	200	190	2604	58	.....	50	15
Total	435	480	449	479	394	426	492	490	501	454	411	410	5421	51 pairs.	.....	127	29
Total Males	2050	2038	2154	1984	1928	1994	2074	2168	2134	2100	1792	1938	24354	.....	6	338	183
" Females	1885	1954	2035	1846	1782	1789	1943	1950	1961	1869	1777	1808	22599	.....	3	280	132
Grand Total	3935	3992	4189	3830	3710	3783	4017	4118	4095	3969	3569	3746	46953	249 pairs	3 sets.	618	315

H. S. CREWE,
Inspector.

TABLE A.—CITIES.—BIRTHS BY MONTHS, 1888.

CITIES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	No. of Pairs of Twins.	Triplets.	Illegitimate.	Still Born.
Toronto:																	
Males	170	177	168	196	133	156	193	183	203	169	147	150	2045	38	.....	76	11
Females	136	138	147	175	143	150	198	184	170	168	143	122	1874	52	.....	45	10
Total	306	315	315	371	276	306	391	367	373	337	290	272	3919	45 pairs.	.....	121	21
Hamilton:																	
Males	52	35	61	50	56	49	46	68	56	52	39	32	596	4	.....	22	9
Females	45	44	52	49	43	39	44	46	48	48	43	30	531	6	.....	28	8
Total	97	79	113	99	99	88	90	114	104	100	82	62	1127	5 pairs.	.....	50	17
Ottawa:																	
Males	86	57	89	81	71	56	89	72	78	72	76	78	905	10	...	49	8
Females	62	75	76	56	62	60	85	54	64	67	69	67	797	6	.....	41	9
Total	148	132	165	137	133	116	174	126	142	139	145	145	1702	8 pairs.	.....	90	17
London:																	
Males	24	16	24	20	22	30	20	26	26	25	22	24	279	4	.....	8	3
Females	22	23	22	25	18	19	24	24	16	20	13	18	244	8	.....	2	.....
Total	46	39	46	45	40	49	44	50	42	45	35	42	523	6 pairs.	.....	10	3
Kingston:																	
Males	26	19	12	12	10	12	13	10	12	21	11	14	172	1	.....	4	2
Females	19	16	14	15	19	9	11	16	13	16	6	20	174	1	.....	9	1
Total	45	35	26	27	29	21	24	26	25	37	17	35	346	1 pair.	.....	13	3
Brantford:																	
Males	9	11	13	14	10	13	14	11	18	21	8	15	157	3	.....	5	6
Females	13	16	15	16	11	13	14	21	16	11	17	20	183	7	.....	1	3
Total	22	27	28	30	21	26	28	32	34	32	25	35	340	5 pairs.	.....	6	9

St. Thomas :																	
Males	11	14	13	9	7	7	6	16	8	15	12	12	130	.....	...	1	2
Females	9	11	12	7	3	9	12	8	8	10	16	8	113	.....	.....	1	.....
Total	20	25	25	16	10	16	18	24	16	25	28	20	243	.....	.....	2	2
Guelph :																	
Males	7	9	20	15	9	10	17	10	9	8	9	16	139	2	.....	4	4
Females	9	12	17	11	8	6	10	8	13	11	6	13	124	2	.....	3	4
Total	16	21	37	26	17	16	27	18	22	19	15	29	263	2 pairs.	.....	7	8
St. Catharines :																	
Males	11	6	10	2	10	8	6	7	10	10	6	8	94	.....	... ..	1	2
Females	9	7	11	8	7	2	5	6	4	5	9	8	81	.....	.. ..	.....	.....
Total	20	13	21	10	17	10	11	13	14	15	15	16	175	... .	.....	1	2
Belleville :																	
Males	12	8	12	2	10	8	6	15	9	8	5	7	102	4	.....	2	3
Females	5	7	2	9	5	3	3	7	7	6	5	9	68	2	.....	.. ..	.....
Total	17	15	14	11	15	11	9	22	16	14	10	16	170	3 pairs.	.. ..	2	3
Stratford :																	
Males	7	10	9	5	16	5	3	10	12	9	5	6	97	1	.....	.....	1
Females	2	6	8	6	6	10	3	4	5	4	9	4	67	1	.....	.. ...	.....
Total	9	16	17	11	22	15	6	14	17	13	14	10	164	1 pair.	.....	.....	1
Total Males	415	362	431	406	354	354	413	428	441	410	340	362	4716	67	.....	170	51
" Females	331	355	376	377	325	320	409	378	364	366	336	319	4256	85	.....	132	35
Grand Total	746	717	807	783	679	674	822	806	805	776	676	681	8972	76 pairs.	.....	302	86

H. S. CREWE,
Inspector.

M.

MARRIAGES.

TABLE B.—MARRIAGES BY DENOMINATIONS AND AGES, 1888.

SEX.	Religious Denomination of Bride and Bridegroom.													How Married.		COUNTIES.	Ages.											
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholic.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Mennonites.	Quakers.	Other Denominations.	No Denomination given.	Total.	License.	Banns.		Under 20 years.	20 to 25 years.	25 to 30 years.	30 to 35 years.	35 to 40 years.	40 to 45 years.	45 to 50 years.	50 to 55 years.	55 to 60 years.	60 to 65 years.	65 to 70 years.	70 years and over.	Ages not given.
Males ..	30	63	29	60	4	2	3	....	..	..	....	3	194	....	....	Algoma	5	56	75	24	12	3	3	3	1	...	....	....	12
Females	33	53	39	53	2	3	3	....	..	..	2	6	194	....	....		73	75	18	8	1	....	2	5	....	....	....	....	12
Total.	63	116	68	113	6	5	6	....	..	..	2	9	388	153	41		78	131	93	32	13	3	5	8	1	....	....	....	24
Males ..	43	42	96	20	37	7	2	2	2	1	8	4	264	....	....	Brant	9	95	93	37	11	4	3	7	1	3	....	1	....
Females	46	38	78	28	50	14	1	...	..	..	6	3	264		....		56	123	55	17	7	2	1	1	1	1	....	....	...
Total.	89	80	174	48	87	21	3	2	2	1	14	7	528	256	8		65	218	148	54	18	6	4	8	2	4	....	1	....
Males ..	54	146	110	42	18	3	10	12	2	4	6	1	408	....	....	Bruce	3	115	171	76	18	9	5	6	1	3	1	....	....
Females	48	160	99	42	20	9	10	11	..	2	5	2	408	....	....		61	201	86	32	10	5	8	1	2	2	....	....	....
Total.	102	306	209	84	38	12	20	23	2	6	11	3	816	369	39		64	316	257	108	28	14	13	7	3	5	1	....	....
Males ..	119	92	123	223	22	11	5	3	1	..	10	10	619	....	....	Carleton	8	179	214	93	56	27	20	7	6	1	....	....	8
Females	107	93	119	240	21	8	5	5	1	..	15	5	619	....	....		104	226	147	44	45	24	16	....	2	....	....	....	11
Total.	226	185	242	463	43	19	10	8	2	..	25	15	1238	481	138		112	405	361	137	101	51	36	7	8	1	....	....	19
Males ..	39	38	69	5	3	1	....	....	1	..	3	....	159	....	....	Dufferin	....	43	67	28	14	3	2	....	....	1	1	....	....
Females	40	30	74	5	3	1	2	....	1	..	2	1	159	....	....		29	75	36	9	5	3	1	....	1	....	...	....	....
Total.	79	68	143	10	6	2	2	....	2	..	5	1	318	143	16		29	118	103	37	19	6	3	....	1	1	1	....	....
Males ..	38	55	149	21	56	13	3	6	..	..	7	1	349	....	....	Elgin	7	125	111	54	29	10	3	4	2	3	....	1	....
Females	46	48	162	17	55	8	....	4	1	..	7	1	349	....	....		64	145	73	33	23	7	4	....	...	....	....	....	....
Total.	84	103	311	38	111	21	3	10	1	..	14	2	698	320	29		71	270	184	87	52	17	7	4	2	3	....	1	....
Males ..	81	66	208	187	38	9	8	1	..	..	19	2	619	....	....	Essex	10	247	190	66	49	19	15	5	9	5	1	3	....
Females	74	58	206	205	40	6	13	....	..	..	14	3	619	....	....		152	266	119	42	19	9	5	4	2	1	....	....	....
Total.	155	124	414	392	78	15	21	1	..	..	33	5	1238	503	116		162	513	309	108	68	28	20	9	11	6	1	3	....

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MARRIAGES BY DENOMINATIONS AND AGES, 1888.—*Continued.*

SEX.	Religious Denomination of Bride and Bridegroom.													How Married.		COUNTIES.	Under 20 years.	20 to 25 years.	25 to 30 years.	30 to 35 years.	35 to 40 years.	40 to 45 years.	45 to 50 years.	50 to 55 years.	55 to 60 years.	60 to 65 years.	65 to 70 years.	70 years and over.	Ages not given.
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholic.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Mennonites.	Quakers.	Other Denominations.	No Denomination given.	Totals.	License.	Banns.														
Males..	93	70	155	53	26	11	1	3	1	..	5	6	424	....	....	Leeds and Grenville.	9	137	158	60	23	12	12	4	5	2	....	1	1
Females	81	75	163	56	22	13	....	2	2	..	3	7	424	..	....		73	171	108	46	16	2	5	2	....	....	....	....	1
Total.	174	145	318	109	48	24	1	5	3	..	8	13	848	392	32		82	308	266	106	39	14	17	6	5	2	....	1	2
Males..	33	24	91	21	..	....	....	....	1	1	2	....	173	....	....	Lennox & Addington	2	61	51	25	14	4	7	3	2	2	1	....	1
Females	34	17	96	23	....	....	....	....	1	..	2	....	173	....	....		30	81	35	14	8	1	1	....	....	2	....	....	1
Total.	67	41	187	44	....	....	....	....	2	1	4	....	346	152	21		32	142	86	39	22	5	8	3	2	4	1	....	2
Males..	40	38	79	20	13	9	2	7	2	2	3	3	218	....	....	Lincoln	3	83	71	24	13	10	4	3	2	3	....	1	1
Females	47	33	67	23	14	8	3	6	2	2	9	4	218	....	....		40	96	46	15	6	5	....	3	2	4	...	....	1
Total.	87	71	146	43	27	17	5	13	4	4	12	7	436	209	9		43	179	117	39	19	15	4	6	4	7	....	1	2
Males..	156	121	235	44	41	18	3	2	2	..	6	3	634	....	..	Middlesex	9	182	243	93	40	27	14	13	4	4	2	2	1
Females	157	127	224	46	43	12	4	4	2	..	9	6	631	....	....		74	280	165	51	20	18	8	12	2	3	....	....	1
Total.	313	248	459	90	87	30	7	6	4	..	15	9	1268	602	32		83	462	408	144	60	45	22	25	6	7	2	2	2
Males..	46	63	74	19	7	2	7	1	1	..	6	2	228	....	....	Muskoka and Parry Sound	4	80	93	26	8	6	4	1	1	3	1	....	1
Females	46	60	83	18	4	2	7	1	1	..	4	2	228	....	....		80	95	32	10	2	2	1	....	3	2	....	....	1
Total.	92	123	157	37	11	4	14	2	2	..	10	4	456	217	11		84	175	125	36	10	8	5	1	4	5	1	....	2
Males..	25	25	97	6	62	1	4	2	..	..	3	6	231	....	....	Norfolk	6	99	74	20	12	7	4	3	1	5	....	....	....
Females	34	26	89	4	62	4	4	2	..	..	4	2	231	....	....		61	107	44	10	3	3	1	....	2	....	....	....	....
Total.	59	51	186	10	124	5	8	4	..	..	7	8	462	226	5		67	206	118	30	15	10	5	3	3	5	....	....	....
Males..	75	90	245	16	7	10	1	3	1	..	9	7	464	....	....	Northumberland and Durham.	4	164	161	61	29	15	8	6	5	3	4	2	2
Females	59	88	265	18	5	7	1	3	3	..	8	7	464	....	....		68	210	111	40	16	7	4	2	1	1	2	1	1
Total.	134	178	510	34	12	17	2	6	4	..	17	14	928	443	21		72	374	272	101	45	22	12	8	6	4	6	3	3

Males ..	35	55	134	23	12	3	....	5	4	..	2	....	273	....	....	Ontario	4	68	121	47	13	10	4	4	...	2	....	....	....
Females	27	70	121	27	18	2	....	....	5	..	3	....	273	....	....		31	118	83	21	7	7	4	2	....	....	....	....	....
Total.	62	125	255	50	30	5	....	5	9	..	5	....	546	260	13		35	186	204	68	20	17	8	6	....	2	....	...	...
Males ..	57	74	151	8	50	2	8	9	6	2	3	3	373	....	....	Oxford	3	138	117	55	32	6	10	5	1	3	.	3	....
Females	47	60	154	8	74	3	8	7	3	5	2	2	373	....	....		59	187	76	24	13	3	4	4	1	1	1	....	....
Total.	104	134	305	16	124	5	16	16	9	7	5	5	746	361	12		62	325	193	79	45	9	14	9	2	4	1	3	....
Males ..	36	31	74	6	4	4	....	....	..	..	2	1	158	....	....	Peel	2	38	74	23	15	1	3	1	....	1	....	....	....
Females	38	39	62	8	6	2	....	....	..	..	2	1	158	....	....		12	88	36	12	7	....	3	....	....	....	....	....	....
Total.	74	70	136	14	10	6	....	....	..	..	4	2	316	154	4		14	126	110	35	22	1	6	1	....	1	...	....	....
Males ..	51	99	113	28	1	3	45	15	..	7	2	1	365	....	....	Perth	3	110	132	63	23	12	4	4	8	3	1	2	....
Females	56	98	111	28	....	4	43	16	..	6	2	1	365	....	....		43	165	102	26	15	6	3	3	1	1	....	....	....
Total.	107	197	224	56	1	7	88	31	..	13	4	2	730	346	19		46	275	234	89	38	18	7	7	9	4	1	2	....
Males ..	31	42	81	58	6	....	1	1	1	..	....	5	226	....	....	Peterborough	....	72	88	36	17	4	4	2	....	2	1	....	....
Females	31	52	73	57	7	....	....	....	..	..	1	5	226	....	....		45	101	52	13	7	3	4	1	....	....	....	....	....
Total.	62	94	154	115	13	....	1	1	1	..	1	10	452	175	51		45	173	140	49	24	7	8	3	....	2	1	....	...
Males ..	7	11	11	174	1	....	1	1	..	..	....	....	206	....	....	Prescott and Russell	5	87	70	23	10	6	2	1	....	....	2	....	....
Females	9	12	11	171	2	....	..	1	..	..	....	....	206	....	....		70	82	32	12	4	3	1	2	....	....	....	....	....
Total.	16	23	22	345	3	....	1	2	..	..	....	....	412	55	151		75	169	102	35	14	9	3	3	....	....	2	....	....
Males ..	22	12	104	6	....	1	..	....	3	..	2	1	151	....	....	Prince Edward	3	71	42	14	10	1	3	4	1	....	1	1	....
Females	18	13	103	7	....	....	....	....	3	..	6	1	151	....	....		29	75	26	10	6	1	....	3	....	1	....	....	....
Total.	40	25	207	13	....	1	....	....	6	..	8	2	302	143	8		32	146	68	24	16	2	3	7	1	1	1	1	...
Males ..	34	58	54	79	6	6	19	9	..	..	1	7	273	....	....	Renfrew	5	83	112	35	12	16	5	2	1	2	....	....	..
Females	28	66	49	83	11	5	16	8	..	..	2	5	273	...	....		57	101	78	17	8	6	4	2	....	....	....	....	....
Total.	62	124	103	162	17	11	35	17	..	.	3	12	546	207	66		62	184	190	52	20	22	9	4	1	2	....	....	....
Males ..	79	131	166	61	13	9	1	....	..	3	9	4	476	....	....	Simcoe	2	181	182	51	30	11	3	4	6	5	1	....	....
Females	83	129	157	65	15	7	4	2	..	2	6	6	476	...	....		96	230	97	29	13	4	1	2	1	2	1	....	....
Total.	162	260	323	126	28	16	5	2	..	5	15	10	952	429	47		98	411	279	80	43	15	4	6	7	7	2	...	....

TABLE B.—MARRIAGES BY DENOMINATIONS AND AGES, 1888.—*Continued.*

SEX.	Religious Denomination of Bride and Bridegroom.													How Married.		COUNTIES.	Ages.											
	Episcopalians.	Presbyterians.	Methodists.	Roman Catholic.	Baptists.	Congregationalists.	Lutherans.	Evangelical Association.	Mennonites.	Quakers.	Other Denominations.	No Denomination given.	Total.	License.	Banns.		Under 20 years.	20 to 25 years.	25 to 30 years.	30 to 35 years.	35 to 40 years.	40 to 45 years.	45 to 50 years.	50 to 55 years.	55 to 60 years.	60 to 65 years.	65 to 70 years.	70 years and over.	Ages not given.
Males ..	53	119	97	107	5	7	19	3	2	2	3	4	421	....	....	Stormont, Dundas and Glengarry	3	159	118	63	40	13	7	5	5	2	3	..	3
Females	47	106	99	120	13	4	19	1	2	2	3	5	421	....	....		74	182	89	37	20	7	3	2	2	1	1	..	3
Total.	100	225	196	227	18	11	38	4	4	4	6	9	842	344	77		77	341	207	100	60	20	10	7	7	3	4	..	6
Males ..	25	44	93	22	8	....	....	....	....	....	5	1	198	....	....	Victoria	3	58	89	27	8	2	2	1	2	3	1	..	2
Females	25	42	95	23	7	....	....	....	....	....	5	1	198	....	....		28	105	47	10	4	2	2	..	....	....	....	..	..
Total.	50	86	188	45	15	....	....	....	....	..	10	2	396	187	11		31	163	136	37	12	4	4	1	2	3	1	..	2
Males	27	55	62	65	13	10	68	22	38	4	8	...	372	....	....	Waterloo	5	152	141	36	13	8	5	6	3	....	1	2	..
Females	31	58	64	65	10	5	67	24	38	2	8	....	372	....	....		61	170	97	27	8	2	2	1	1	3	....	..	..
Total.	58	113	126	130	23	15	135	46	76	6	16	....	744	278	94		66	322	238	63	21	10	7	7	4	3	1	2	..
Males ..	36	20	45	12	12	2	7	8	4	4	5	...	155	....	....	Welland	....	55	53	23	12	4	1	4	1	1	...	1	..
Females	34	17	53	11	16	1	7	6	3	4	3	....	155	....	....		22	76	32	13	6	2	2	1	....	1	....	..	..
Total.	70	37	98	23	28	3	14	14	7	8	8	....	310	131	24		22	131	85	36	18	6	3	5	1	2	...	1	..
Males ..	56	132	137	35	8	15	5	5	...	..	7	1	401	....	....	Wellington	3	122	147	54	36	21	5	5	2	2	4	..	..
Females	49	135	129	38	11	16	10	4	...	..	8	1	401	....	....		66	192	102	20	11	3	4	1	2	....	...	..	..
Total.	105	267	266	73	19	31	15	9	...	..	15	2	802	377	24		69	314	249	74	47	24	9	6	4	2	4	..	..
Males ..	141	109	225	51	37	6	4	1	...	..	6	....	580	....	....	Wentworth	7	207	206	80	38	18	8	6	4	4	1	1	.
Females	140	108	221	60	35	5	5	1	1	..	4	....	580	....	....		90	266	148	36	17	8	8	2	2	1	1	1	..
Total.	281	217	446	111	72	11	9	2	1	..	10	....	1160	535	45		97	473	354	116	55	26	16	8	6	5	2	2	..

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TABLE C.—MARRIAGES BY MONTHS, 1888.

COUNTIES.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	No Date given.	Total number of Couples Married.
Algoma	16	17	12	17	16	15	12	13	14	26	19	17		194
Brant	25	22	22	24	21	10	17	16	30	24	25	28		264
Bruce	32	38	43	34	25	32	15	24	37	44	40	44		408
Carleton	49	27	36	55	44	69	56	51	66	74	52	40		619
Dufferin	23	19	12	10	9	13	11	12	7	9	16	18		159
Elgin	26	27	31	27	30	24	19	26	27	41	31	40		349
Essex	55	49	43	45	42	38	45	39	45	75	76	67		619
Frontenac	33	23	31	27	25	32	23	21	31	17	16	34		313
Grey	43	45	48	43	17	26	20	22	33	29	33	66		425
Haldimand	17	12	9	13	11	10	13	9	10	12	7	19		142
Halton	10	9	10	6	8	5	9	7	12	14	8	11		109
Haliburton	6	5	4	3	4	2	4	5	2	4	3	5		47
Hastings	40	41	31	29	22	39	31	26	42	49	47	61		458
Huron	38	42	64	33	34	22	17	17	38	40	29	66		440
Kent	34	39	31	26	33	27	25	29	33	47	43	52		419
Lambton	32	22	23	21	29	24	25	22	31	35	51	48		363
Lanark	19	17	18	31	22	25	23	18	23	32	24	23		275
Leeds and Grenville	43	36	32	29	33	28	26	32	48	39	38	40		424

Lennox and Addington	12	23	18	12	9	11	14	15	13	12	16	18	.....	173
Lincoln	23	15	13	9	16	19	13	17	19	23	23	28	.....	218
Middlesex	48	42	57	54	46	59	35	23	61	67	45	97	.....	634
Muskoka and Parry Sound	17	15	16	20	28	14	18	14	18	22	19	27	.....	228
Norfolk	21	16	19	13	22	10	12	12	23	22	24	37	.....	231
Northumberland and Durham	42	43	51	27	18	23	29	21	32	45	50	83	.....	464
Ontario	19	22	34	19	20	22	11	12	24	25	28	37	.....	273
Oxford	40	27	27	31	32	25	26	18	37	44	32	34	.....	373
Peel	13	20	24	8	4	13	6	3	10	7	16	34	.....	158
Perth	29	37	27	22	28	25	21	20	36	37	33	50	.....	365
Peterborough	23	21	15	29	15	16	18	14	13	15	21	26	.....	226
Prince Edward	13	9	10	9	7	11	10	8	19	15	18	22	.....	151
Prescott and Russell	22	14	4	17	11	13	30	20	21	25	23	6	.....	206
Renfrew	25	13	16	31	29	28	18	20	18	30	29	16	.....	273
Simcoe	51	42	35	39	40	50	32	26	35	43	34	49	.....	476
Stormont, Dundas and Glengarry	36	45	23	30	21	36	33	31	41	40	35	50	.....	421
Victoria	29	20	8	20	11	13	10	4	18	18	22	25	.....	198
Waterloo	32	37	33	36	23	27	24	21	25	39	32	43	.....	372
Welland	6	18	8	14	15	16	14	10	12	13	16	13	.....	155
Wellington	44	35	50	41	26	23	23	23	35	33	32	36		401
Wentworth	40	34	39	35	33	42	46	41	71	75	54	70	.....	580
York	154	124	114	162	152	185	161	144	185	180	187	200	.....	1948
Total	1280	1162	1141	1151	1031	1122	995	906	1295	1441	1347	1680	.....	14551

H. S. CREWE,
Inspector.

DEATHS.

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.

ALGOMA—Population, 22,350.

SEX.	Months.													CAUSE OF DEATH	Ages.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males														Cholera Infantum.															
Females								1					1		1														
Males		1	1										2	Croup		1		1											
Females				1									1		1														
Males									1				1	Diarrhœal Diseases	1														
Females							1		1	2			4		4														
Males							1	2	3	3	1	5	15	Diphtheria	1	5	5	2	2										
Females				1					1	1			3			1	1	1											
Males								3		1	2		6	Typhoid Fever						3									3
Females								1			2		3						1	1									1
Males														Scarlet Fever															
Females			1										1			1													
Males				2									2	Other Fevers	1	1													
Females		1							1				2			1					1								
Males				1									1	Measles			1												
Females	1												1			1													
Males								1				1	2	Whooping Cough	2														
Females			1									1	2		2														
Males														Rheumatism and Gout															
Females																													
Males		1	3	1			1		4	1	1		12	Anæmia, including Infantile Debility	9	2					1								
Females	1	1			1	2	1	5	4	2	1	3	21		17	1				3									

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

BRANT.—Population, 37,239.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	2	4	2	1	....	....	9	Cholera Infantum.	7	2	....	....	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	....	....	2	....	8	5	....	....	..	....	15		15	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	..	....	....	1	....	....	....	....	1	2	Croup	....	2	....	...	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	2	....	....	....	....	....	....	..	....	....	3		1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	...	..	1	....	1	1	4	2	1	1	11	Diarrhœal Diseases..	8	2	....	.. .	....	....	....	1	....	....	....	....	....	....	..
Females	...	....	....	1	....	....	2	3	2	....	1	1	10		4	1	....	...	....	1	1	....	1	2	....	....	....	....	....
Males...	1	....	1	....	....	....	....	....	....	....	....	....	2	Diphtheria	.. .	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	2	....	....	....	1	....	....	....	....	....	....	5		1	1	2	....	1	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	1	4	5	1	....	12	Typhoid Fever ...	....	....	....	....	2	4	3	1	1	....	1	....	....	....	....
Females	....	....	....	....	....	....	1	1	3	....	....	....	5		.	....	.. .	1	1	2	1	....	....	....	....	....	....	....	....
Males...	...	....	....	....	....	....	....	1	1	...	....	....	2	Scarlet Fever.....	...	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	..	...	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	....	1	.. .	....	2	Other Fevers	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....
Females	1	..	....	....	....	....	1	....	1	3	....	1	7		....	1	1	1	....	2	1	1	....	....	....	....	....	....	....
Males...	....	....	....	....	1	....	1	....	....	....	....	....	2	Measles	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	...	....	....	....	....	1	....	1	Whooping Cough.	.. .	1	....	....	....	....	....	....	....	....	....	....	....	.	....
Females	....	....	1	1	....	....	1	1	1	2	....	....	7		6	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	...	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	1	....	1	....	....	1	1	....	5	Anæmia, including Infantile Debility	3	1	....	....	....	....	...	....	....	1	....	....	....	....	....
Females	....	1	1	2	2	2	1	3	....	1	....	3	16		13	....	....	....	....	1	.. .	1	....	...	....	....	....	....	1

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

BRUCE—Population, 71,244.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	1	....	....	....	1	Cholera Infantum.	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	2	....	....	....	3		1	....	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	3	....	....	....	....	1	1	....	1	....	2	9	Croup.....	3	5	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	1	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	1	2	1	5	3	....	....	....	13	Diarrhœal Diseases	6	5	1	....	....	....	....	....	1	....	....	....	....	....	....
Females	....	1	....	1	....	....	2	6	3	....	....	1	14		8	5	....	....	....	....	1	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	1	....	....	1	2	Diphtheria	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	1	....	....	....	2	....	1	..	....	5		1	2	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	1	1	....	3	Typhoid Fever ...	....	....	....	....	....	1	....	1	....	1	....	....	..	..	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	1	....	....	1	....	....	....	....	....	....	....	4	Other Fevers	1	....	1	....	1	..	1	....	....	....	....	....	....	....	....
Females	1	2	....	2	....	....	1	1	....	2	....	....	9		1	....	2	1	....	3	....	1	....	....	1	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	2	....	....	....	....	1	3		1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	1	1	Whooping Cough.	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	....	....	1	2		2	....	....	....	....	....	..	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	1	....	....	....	....	1	1	3	Rheumatism and Gout	1	....	....	....	....	....	....	1	....	....	1	....	....	....	....
Females	....	....	..	....	....	....	..	....	....	....	1	....	1		....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Males...	2	5	2	...	2	6	4	6	3	5	2	1	38	Anæmia, including Infantile Debility	36	...	1	....	....	....	1	....	....	....	....	....	....	....	....
Females	1	1	3	1	4	1	2	4	2	3	4	....	26		24	1	....	....	....	....	....	....	....	1	....	....	....	....	....

Males...	1	1	1	1	1	2	....	1	....	....	1	..	9	Dropsy	....	....	....	1	1	....	....	....	1	2	3	1	....	....	....								
Females	....	1	2	1	2	2	1	1	....	....	2	1	13		....	....	....	....	....	....	2	..	....	5	4	1	1	....	....								
Males...	2	1	3	....	....	1	....	1	2	....	..	....	10	Cancer	....	....	....	....	....	....	1	....	3	3	3	....	....	....								
Females	1	1	1	1	....	....	....	1	....	....	1	....	6		....	....	....	....	....	....	....	3	2	....	....	1	....	....								
Males...	3	1	3	3	5	3	2	4	3	3	2	5	37	Phthisis	2	3	..	....	5	10	5	2	5	2	....	1	....	....	2							
Females	1	3	4	5	3	3	2	....	2	2	2	4	31		....	1	1	....	5	9	5	5	3	1	....	....	....	....	1							
Males...	2	3	2	4	1	1	1	1	6	....	3	2	26	Nervous Diseases, includ. Convulsions	10	4	2	1	....	1	1	3	1	1	2	....	....	....								
Females	4	....	3	2	....	1	2	1	1	2	....	1	17		5	2	2	1	1	....	2	....	2	2	....	....	....	....								
Males...	1	4	2	1	4	....	....	....	2	1	....	2	17	Heart Diseases ...	....	....	1	1	....	1	3	2	....	5	3	1	....	....								
Females	....	3	....	....	1	....	....	....	2	1	1	1	9		....	1	..	....	....	....	....	1	1	3	1	1	1	....								
Males...	1	1	3	3	5	6	....	....	2	1	5	4	31	Pneumonia and Bronchitis.....	10	3	....	....	....	1	2	3	1	3	5	2	1	....								
Females	2	4	2	4	2	2	2	2	..	2	3	3	28		8	4	1	3	2	2	....	1	1	2	4	....	....	....								
Males...	1	1	...	3	....	....	....	....	....	1	....	....	6	Enteritis and Gastritis	1	2	....	....	....	1	1	....	....	....	1	....	....	....								
Females	1	....	....	2	....	..	3	3	....	1	....	2	12		2	....	1	1	..	....	1	3	....	....	4	....	....	....								
Males...	2	2	2	1	....	1	....	1	....	1	....	1	11	Liver Diseases....	....	2	1	....	1	....	2	1	2	....	2	....	....	....								
Females	1	..	....	1	....	....	3	1	1	....	1	....	8		....	2	1	1	....	....	....	2	1	1	..	..	....	....								
Males...	....	....	....	....	....	1	1	1	1	1	1	4	10	Kidney Diseases..	....	....	....	....	....	2	....	....	3	2	3	....	....	....								
Females	....	....	....	....	....	....	1	....	2	....	....	....	3		....	....	....	1	....	....	....	1	....	1	....	....	....	....								
Females	1	....	1	....	1	....	1	1	1	....	....	....	6	Child Birth	....	....	....	....	....	3	3	....	....	....	....	....	....	....								
Males...	3	2	8	6	1	4	3	2	....	3	1	4	37	Old Age.... . ..	....	....	....	....	....	....	....	....	....	....	20	12	5	....	....							
Females	6	4	3	6	4	2	....	1	3	4	3	2	38		....	....	....	....	....	....	....	....	....	....	14	17	7	....	....							
Males...	....	....	4	....	2	1	3	1	2	....	....	1	14	Violent Deaths, Accidents, etc..	....	1	1	1	1	3	3	1	....	3	....	....	....	....								
Females	.. .	....	....	1	....	....	....	....	1	....	....	....	2		....	1	....	....	....	....	....	....	....	....	....	1	....	....								
Males...	....	....	....	....	1	....	....	....	....	..	....	1	2	Suicide	....	....	....	....	....	....	1	....	....	1	....	....	....	....								
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....								
Males...	....	1	3	1	2	2	....	1	2	....	1	1	14	Other diseases and cause not specified.	7	..	2	....	1	....	....	1	1	....	....	1	....	....	1								
les	2	....	2	3	1	....	3	2	2	....	1	....	16		3	3	....	1	1	2	3	....	1	..	....	1	....	....	1								
Total Males...	21	27	33	23	26	31	17	25	28	18	18	31	298	Total Deaths from all causes.....	78	28	11	4	10	20	21	15	18	23	43	18	6	....	3							
Total Females	23	21	21	31	18	11	26	26	22	18	20	18	255		57	25	12	9	9	22	16	17	11	16	28	22	9	....	2							
Grand Total.	44	48	54	54	44	42	43	51	50	36	38	49	553	....	135	53	23	13	19	42	37	32	29	39	71	40	15	....	5							

XXIX.

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

CARLETON—Population, 70,513.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	....	....	....	....	2	6	3	1	1	....	1	14	Cholera Infantum.	14	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	3	1	1	....	....	....	6		6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	3	....	3	2	1	....	....	....	....	1	1	13	Croup	5	8	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	....	1	....	1	....	....	....	....	....	....	..	4		2	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	5	4	6	3	3	2	31	18	5	2	1	3	83	Diarrhœal Diseases	70	10	2	....	....	....	....	....	....	....	1	....	....	....	....
Females	3	3	4	3	2	2	31	17	2	....	1	....	68		51	9	....	....	....	....	....	2	1	2	1	2	....	....	....
Males...	3	4	4	1	4	5	1	4	2	....	2	3	33	Diphtheria	8	10	10	3	1	....	1	....	....	....	....	....	....	....	....
emales	1	3	3	13	3	3	6	5	4	6	2	....	49		6	23	12	4	1	3	....	....	....	....	....	....	....	....	....
Males...	1	4	....	2	....	2	....	....	....	....	....	4	13	Typhoid Fever	....	....	4	....	....	1	3	1	2	1	1	....	....	....	....
Females	2	....	....	....	....	....	....	....	2	2	3	2	11		....	....	3	2	3	1	....	....	1	....	1	....	....	....	....
Males...	....	....	....	1	2	....	....	....	....	....	....	....	3	Scarlet Fever	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Females	....	....	....	2	1	1	....	....	....	....	....	....	4		1	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	1	....	1	....	1	2	....	....	....	....	..	7	Other Fevers	1	....	1	1	3	....	....	1	....	....	....	....	....	....	....
Females	....	1	2	....	1	....	..	....	....	....	1	....	5		1	1	..	1	1	....	....	....	1	....	....	....	....	....	....
Males...	5	....	....	....	....	....	....	....	....	....	....	....	5	Measles	2	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	3	....	....	....	....	....	1	....	1	1	6		....	5	....	....	....	....	....	....	....	1	....	....	....	....	....
Males...	....	....	1	1	....	1	....	....	....	....	1	....	4	Whooping Cough.	3	....	1	....	....	....	....	....	....	....	....	....	....	..	....
Females	....	1	....	....	....	....	....	....	....	1	....	1	3		2	....	....	....	..	....	....	....	....	1	....	....	....	....	....
Males...	....	....	....	....	....	1	....	1	..	....	1	....	3	Rheumatism and Gout	....	....	....	....	....	1	....	....	....	....	2	....	....	....	....
Females	....	1	....	1	....	2	..	1	....	....	1	....	6		....	....	....	....	....	2	1	....	1	....	1	1	....	....	....
Males...	12	7	9	17	11	7	28	11	2	2	3	5	114	Anæmia, including Infantile Debility	98	4	....	2	....	2	2	....	1	4	1	....	....	....	....
Females	9	10	2	13	8	4	28	10	6	1	7	7	105		87	7	1	1	2	....	2	....	1	3	1	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

DUFFERIN—Population, 22,589.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	....	....	1	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	1	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	....	....	....	....	....	1	....	....	2	Croup	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	1	1	1	....	....	3	Diarrhœal Diseases	....	1	1	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	1	....	....	1	....	....	....	1	3		1	1	....	....	....	....	....	....	....	1	....	....	....	....	....
Males	....	....	1	1	....	1	....	....	3	7	1	1	15	Diphtheria	2	9	....	3	....	....	1	....	....	....	....	....	....	....	....
Females	....	3	1	....	....	1	....	3	2	3	1	3	17		5	7	4	1	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Typhoid Fever	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Scarlet Fever	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Other Fevers	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	1	1	Whooping Cough	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	2	...	4	1	....	2	3	..	2	2	2	19	Anæmia, including Infantile Debility	16	2	....	....	....	....	....	....	1	....	....	....	....	....	....
Females	....	1	....	....	....	....	1	....	1	...	2	1	6		5	....	....	....	....	1	....	....	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

ELGIN—POPULATION, 46,597.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	1	....	....	3	2	....	....	....	6	Cholera Infantum.	5	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	2	....	....	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	....	....	....	3	Croup	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	2	1	....	....	....	....	1	....	....	5		....	5	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	3	6	....	2	....	1	13	Diarrhœal Diseases	7	3	1	....	....	....	1	....	....	1	....	....	....	....	....
Females	....	....	1	....	....	....	....	2	3	....	....	3	9		3	3	1	....	....	....	....	1	....	....	....	1	....	....	....
Males	....	....	....	2	....	1	....	....	....	....	1	3	7	Diphtheria	....	1	4	1	....	....	....	....	....	....	....	1	....	....	....
Females	1	....	2	1	....	....	....	....	1	2	2	4	13		2	7	3	1	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	1	....	1	....	....	....	1	1	1	2	8	Typhoid Fever	....	....	....	1	....	6	....	....	....	....	1	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	1	....	2		....	....	1	....	....	1	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	1	....	....	....	....	....	....	....	1	Scarlet Fever	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	1	....	....	....	....	....	1	....	3		....	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	1	....	....	1	Other Fevers	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	....	....	3	1	....	5		....	1	....	1	1	1	....	....	....	1	....	....	....	....	....
Males	....	....	1	....	....	....	....	....	....	....	1	....	2	Measles	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	..	....	....	....	....	....	....	1	....	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	1	....	1	..	3		2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	1	....	1	....	1	....	....	....	....	....	....	....	3		....	....	....	....	....	1	....	....	1	....	1	....	....	....	....
Males	2	3	2	1	2	1	1	2	2	2	2	....	20	Anæmia, including Infantile Debility	9	2	....	2	1	1	....	....	3	....	....	....	....	....	....
Females	....	1	4	....	1	2	1	1	....	1	....	....	11		6	....	....	....	1	....	1	....	....	3	....	....	....	....	....

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TABLE D.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

ESSEX.—POPULATION, 51,218.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	6	6	6	....	....	....	18	Cholera Infantum.	14	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	1	6	6	3	....	....	....	16		13	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	3	1	..	3	1	....	....	...	2	1	2	1	14	Croup	2	10	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	3	1	1	....	2	1	....	....	1	1	....	12		1	9	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	5	4	7	1	....	..	17	Diarrhœal Diseases.....	5	5	5	....	....	....	....	....	1	1	....	....	....	....	....
Females	....	....	....	....	....	....	3	3	3	1	....	....	10		4	4	....	....	....	....	....	....	....	1	1	....	....	....	....
Males...	2	5	1	3	3	3	....	..	1	7	4	1	30	Diphtheria	2	14	10	1	....	2	....	....	1	....	....	....	..	....	....
Females	2	....	1	....	....	....	....	...	1	3	...	8	15		1	6	8	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	..	2	2	....	....	1	....	....	5	3	....	14	Typhoid Fever . .	1	1	2	....	2	1	2	2	1	2	....	....	....	....	....
Females	....	....	....	....	....	1	....	1	1	2	1	....	6		....	....	....	1	2	3	....	....	....	....	....	....	....	....	....
Males..	....	....	..	2	2	1	....	....	....	1	1	....	7	Scarlet Fever.....	1	4	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	4	2	2	1	1	1	....	2	..	.	14		1	7	4	2	...	....	....	....	....	....	....	....	....	....	....
Males...	....	1	1	...	1	....	..	....	..	2	1	....	6	Other Fevers... .	....	3	....	1	....	1	....	1	....	....	....	....	....	....	..
Females	..	....	....	....	....	3	....	....	1	1	1	...	6		1	1	2	....	....	....	....	1	1	....	....	....	....	....	....
Males...	....	....	1	1	....	1	....	....	....	....	4	....	7	Measles	1	3	2	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	....	1	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	..	....	....	2	1	....	1	1	.	....	....	....	5	Whooping Cough	1	3	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	....	2	....	..	....	1	1	1	....	....	....	7		3	2	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	1	....	....	....	1	1	....	....	....	4	Rheumatism and Gout.	....	....	....	1	....	....	1	....	1	1	....	....	....	....	....
Females	....	2	...	2	....	....	....	....	....	....	....	....	4		....	....	....	....	1	....	....	....	1	....	2	....	....	....	....
Males...	5	4	2	4	4	4	2	4	4	1	6	4	41	Anæmia, including Infantile Debility	38	2	....	....	....	1	....	....	3	....	....	....	....	....	....
Females	6	....	3	4	4	4	6	2	4	1	3	6	43		35	2	..	..	....	2	1	....	1	2	....	....	....	....	....

Males...	1	....	....	....	....	2	....	....	....	1	1	....	5	Dropsy	....	2	....	1	..	....	....	....	....	....	2	2	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	3	....	....	4		....	....	....	....	....	....	....	....	....	1	1	....	....	..	....
Males...	....	....	..	....	....	1	....	1	....	1	2	..	5	Cancer	....	....	....	....	....	....	1	..	2	1	1	....	..	....	....
Females	....	....	3	....	1	....	1	....	....	....	1	....	6		....	1	....	....	....	....	1	2	2	....	....	....	....	....	....
Males...	1	3	4	7	2	6	3	1	3	3	1	2	26	Phthisis	3	3	1	2	7	6	4	1	5	4	....	....	....	....	....
Females	1	2	2	4	2	1	4	1	2	4	1	4	28		1	1	1	....	1	9	7	4	2	2	....	....	....	....	....
Males...	4	8	5	2	....	1	3	4	1	2	2	2	34	Nervous Diseases, includ. Convulsions	10	4	2	1	1	1	1	...	3	4	5	2	....	....	....
Females	..	4	4	2	....	..	3	5	4	3	1	2	28		9	6	....	1	....	....	4	....	5	1	1	1	..	....	....
Males...	2	1	..	....	3	1	...	1	1	1	2	1	13	Heart Diseases	....	....	....	1	....	....	....	1	....	7	2	1	....	....	1
Females	..	1	4	3	1	1	2	2	2	....	1	1	18		1	....	....	1	....	2	3	2	5	3	1	....	....	....	....
Males...	7	10	7	3	5	1	..	3	1	4	4	3	48	Pneumonia and Bronchitis	14	11	....	....	1	2	2	2	6	5	2	2	....	...	1
Females	6	7	9	6	7	4	2	....	..	1	2	2	46		13	8	1	....	1	8	....	2	1	7	4	1	....	....	....
Males...	1	1	4	3	2	...	....	2	1	3	1	....	18	Enteritis and Gastritis	5	2	1	1	..	1	2	1	....	1	4	....	....	....	....
Females	...	1	..	2	3	2	....	2	...	4	..	....	14		5	1	....	....	....	2	....	2	1	3	..	....	....	....	....
Males...	....	....	....	..	2	1	...	2	1	....	1	..	7	Liver Diseases	....	....	....	....	....	2	2	3	....	....	....	....	....	....	....
Females	...	1	1	1	1	2	1	1	....	....	.	....	8		....	....	....	....	....	2	1	1	1	1	2	....	....	....	....
Males...	4	....	1	1	1	....	....	1	1	....	.	....	9	Kidney Diseases	....	...	1	....	....	1	1	1	2	1	....	2	....	....	....
Females	....	1	....	....	....	1	...	..	..	....	3	....	5		1	1	....	....	....	....	....	2	....	....	1	....	....	....	....
Females	1	....	3	...	2	2	....	1	...	....	....	....	9	Child Birth	....	....	....	..	1	3	4	1	..	....	...	....	....	....	..
Males ..	3	5	3	4	4	1	....	4	4	...	1	3	32	Old Age	....	....	....	....	....	....	....	....	....	....	14	14	4	....	....
Females	1	4	1	2	1	3	4	5	1	1	2	2	30		....	....	....	....	....	....	....	....	....	....	13	12	5	....	....
Males ..	1	..	1	3	1	2	2	1	....	2	1	4	18	Violent Deaths, Accidents, etc.	1	4	....	....	2	3	1	2	3	1	1	....	....	....	....
Females	....	....	1	....	1	....	1	....	1	1	1	1	7		1	2	....	....	....	1	....	....	....	2	1	..	....	....	....
Males ..	....	....	....	....	..	....	....	..	....	....	1	....	1	Suicide	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	..	....	....	....	....	..	....	....		....	....	....	....	....	....	....	....	....	....	....	....	..	..	....
Males...	4	4	5	6	3	6	3	3	5	4	2	2	47	Other diseases and cause not specified	24	5	2	3	2	3	2	....	3	3	....	....	....	....	....
Females	4	2	1	6	4	3	2	3	2	1	6	1	35		13	5	4	2	3	2	2	3	1	..	..	....	....	....	....
Total Males...	39	44	37	47	35	31	26	39	39	39	40	23	439	Total Deaths from all causes	122	78	32	11	16	25	19	14	31	33	31	21	4	...	2
Total Females	26	29	40	35	33	31	38	34	26	29	24	28	373		107	59	24	7	9	34	23	20	21	23	27	14	5	....	..
Grand Total.	65	73	77	82	68	62	64	73	65	68	64	51	812		229	137	56	18	25	59	42	34	52	56	58	35	9	....	2

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

FRONTENAC—Population, 46,812.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.														
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	...	1	2	....	....	....	1	....	....	....	...	4	Cholera Infantum.	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	3	....	....	...	....	1	4		3	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	1	....	....	....	....	....	....	2	Croup	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	1	....	....	....	....	....	....	....	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	2	....	....	....	1	....	2	....	....	6	Diarrhœal Diseases	2	....	....	....	....	....	1	1	....	2	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	1	....	....	....	2		1	....	....	....	....	....	....	....	1	..	....	....	....	....	....
Males	....	....	1	....	2	1	....	....	....	....	1	....	5	Diphtheria	1	2	....	....	2	....	....	....	....	....	....	....	....	....	....
Females	1	1	....	....	2	2	....	....	....	....	....	....	6		....	....	1	1	1	2	1	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	1	3	....	....	1	2	8	Typhoid Fever	....	2	1	....	1	2	2	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	..	1	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	2	1	....	....	3	Scarlet Fever	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	2	3		1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	....	2	....	....	....	3	Other Fevers	....	....	....	1	....	2	....	....	....	..	..	....	....	....	....
Females	....	....	....	....	1	....	1	....	....	....	....	....	2		....	....	....	....	....	1	....	....	1	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	2	....	1	1	....	....	....	1	6	Whooping Cough	1	2	2	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	1	2	....	....	....	4		1	1	1	1	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	..	....	...	1	....	....	....	1	....	....	2	Rheumatism and Gout	....	....	....	....	....	1	....	....	....	....	....	....	1	....	....
Females	....	....	....	....	....	....	....	....	....	1	1	....	2		....	....	....	....	....	1	1	....	....	....	....	....	....	....	....
Males	1	2	1	2	1	1	2	3	2	4	1	2	22	Anæmia, including Infantile Debility	15	2	....	1	....	....	..	...	1	3	....	....	....	....	....
Females	4	3	3	1	....	2	1	1	5	....	4	4	28		16	2	..	....	1	1	...	6	1	1	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

GREY—Population, 77,582.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	....	....	....	...	1	...	....	1	....	....	....	2	Cholera Infantum.	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	.. .	....	....	....	...	....	..	....	2	1	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	1	1	2	Croup	1	....	1	...	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	.. .	....	....	....	...	....	....	1	1	....	1	....	3	Diarrhœal Diseases.....	3	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Females	....	.	.	....	....	....	....	4	....	2	....	....	6		2	2	....	....	1	....	....	....	....	....	....	....	....	....	....
Males ..	1	2	4	1	...	....	....	....	....	1	....	....	9	Diphtheria	....	4	3	1	1	....	....	....	....	....	....	....	....	....	....
Females	1	...	....	....	....	1	....	....	1	1	....	....	4		....	1	2	....	....	....	....	....	....	....	1	....	....	....	....
Males ..	....	....	....	....	1	....	1	....	1	1	2	1	7	Typhoid Fever ...	....	....	....	....	....	2	3	....	....	1	1	....	....	....	....
Females	....	....	....	....	....	....	1	1	2	1	....	....	5		....	....	....	....	2	2	....	1	....	....	....	....	....	....	....
Males ..	1	1	....	....	....	2	...	....	....	....	....	....	4	Scarlet Fever.....	....	2	1	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	...	1	....	....	....	....	....	1	....	....	2	Other Fevers.....	....	....	....	....	..	....	....	....	1	1	....	....	....	....	....
Females	....	....	....	....	1	1	1	....	....	....	2	....	5		1	..	....	....	1	1	2	....	....	....	....	....	....	....	....
Males ..	.. ..	....	1	....	....	....	....	....	....	....	....	....	1	Measles	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	..	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	....	1	....	....	....	....	....	....	....	1		..	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	..	...	....	1	2	...	....	....	....	....	....	1	4	Rheumatism and Gout	....	...	1	....	....	....	....	1	....	1	1	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	..	....	....	....	....
Males ..	1	3	3	1	4	3	....	3	3	3	2	2	28	Anæmia, including Infantile Debility	19	....	1	2	....	....	....	1	1	4	....	....	....	....	....
Females	1	1	....	2	1	2	....	1	....	1	2	4	15		12	....	1	1	....	....	....	....	....	....	....	....	....	....	1

Males ..	....	....	1	1	....	1	....	....	1	1	....	....	5	Dropsy	....	....	....	....	....	1	....	1	....	2	1	....	....	....	....								
Females	....	3	1	1	1	1	....	2	1	....	1	2	13		....	....	....	....	....	1	2	1	1	6	1	1	....	....	....								
Males ..	....	....	1	....	....	....	....	1	4	2	....	....	8	Cancer	....	....	....	....	....	1	....	1	4	2	....	....	....	....								
Females	2	....	1	2	....	6	....	....	....	1	....	1	13		....	....	....	....	....	....	1	2	1	4	4	1	....	....	....								
Males ..	1	3	3	1	....	....	....	2	2	....	1	1	14	Phthisis	3	....	....	....	1	5	1	2	1	....	1	....	....	....								
Females	2	2	5	6	4	2	2	4	1	1	2	3	37		2	....	1	....	3	12	8	5	4	2	....	....	....	....								
Males ..	3	....	4	4	1	....	....	2	..	3	3	5	25	Nervous Diseases, including Convulsions	11	4	1	....	1	....	....	....	3	2	3	....	....	....								
Females	3	....	3	3	1	2	3	4	4	1	1	4	29		9	4	....	....	2	4	1	....	2	3	3	1	....	....								
Males ..	4	3	1	3	....	....	2	1	....	2	2	3	21	Heart Diseases ...	1	....	....	....	....	1	3	1	1	8	5	1	....	....	....							
Females	2	....	2	3	2	1	4	....	1	2	....	2	19		1	....	....	1	2	1	2	1	5	5	....	....	....	....	1							
Males ..	3	1	4	3	2	2	....	3	2	3	2	2	27	Pneumonia and Bronchitis	7	4	2	....	1	4	1	1	1	3	3	....	....	....							
Females	8	1	3	4	4	2	1	1	1	3	3	2	39		8	5	2	....	3	3	....	1	3	6	5	1	1	1	1							
Males ..	2	....	5	1	....	2	1	2	4	2	3	3	25	Enteritis and Gastritis	2	....	....	1	....	4	2	4	3	6	2	....	....	....	1							
Females	..	1	1	1	....	1	1	2	3	....	....	....	10		4	....	1	....	....	1	1	1	....	....	1	....	....	....	1							
Males ..	1	....	....	....	....	1	..	1	....	....	1	....	4	Liver Diseases ...	....	....	1	....	1	..	....	....	..	2	....	....	....	....	....							
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		....	....	....	....	....	....	....	....	1	....	....	....	....	....	....							
Males ..	....	....	1	....	1	1	1	....	....	....	1	....	5	Kidney Diseases..	....	....	....	....	....	1	....	....	1	2	1	....	....	....	....							
Females	3	....	1	1	....	....	....	....	....	1	1	1	8		1	1	....	....	....	....	1	1	....	2	1	....	....	..	1							
Females	....	4	....	3	2	....	....	....	1	....	....	1	11	Child Birth	....	....	....	....	....	6	4	1	....	....	....	....	....	....	....							
Males ..	2	2	5	4	4	3	2	2	4	3	3	10	44	Old Age	..	....	....	....	....	....	....	....	....	....	15	26	3	....	....							
Females	4	6	2	6	2	5	1	3	4	5	4	6	48		....	....	....	....	....	....	....	....	....	....	26	15	7	....	....							
Males .	....	....	2	4	3	3	2	2	..	1	..	4	21	Violent Deaths, Accidents, etc..	....	2	1	3	2	3	1	2	1	3	2	1	..	....	....							
Females	....	....	....	1	1	..	....	1	....	....	....	....	3		....	1	....	....	....	....	1	....	....	....	....	....	....	....	1							
Males ..	..	....	....	....	....	....	....	....	....	....	....	....	....	Suicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....							
Females	....	1	....	....	....	....	....	....	....	1	....	....	2		....	....	....	....	....	1	1	....	....	....	....	....	....	....	....							
Males ..	2	4	5	1	1	....	1	....	3	4	2	4	27	Other diseases and cause not specified.	12	3	..	....	2	1	1	....	1	5	2	....	....	....	....							
Females	4	....	5	1	1	4	1	4	2	2	3	3	30		13	1	1	2	1	....	2	4	1	3	....	....	....	....	2							
Total Males ..	21	19	40	26	19	19	10	20	26	27	24	37	288	Total Deaths from all causes.....	60	20	12	8	9	24	12	14	18	42	37	28	3	..	1							
Total Females	30	22	25	34	21	28	18	28	26	23	19	29	303		56	17	8	4	15	32	26	18	18	31	43	19	8	....	8							
Grand Total.	51	41	65	60	40	47	28	48	52	50	43	66	591	....	116	37	20	12	24	56	38	32	36	73	80	47	11	....	9							

TABLE D.—COUNTIES.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

HALDIMAND—POPULATION, 27,491.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	2	....	....	....	....	....	....	....	....	....	3		....	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	2	1	....	....	....	....	3	Diarrhœal Diseases	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	1	1	....	....	3		3	....	....	....	....	....	....	....	....	....	....	1	....	....	....
Males	....	1	1	....	2	1	....	2	....	1	....	....	8	Diphtheria	....	5	....	1	....	1	1	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	1	....	....	....	1	....	1	4		....	....	2	2	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	2	1	....	3	Typhoid Fever	....	1	1	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	1	1	....	....	....	3	....	....	6		....	2	....	1	1	1	1	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Scarlet Fever	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	....	....	2		1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	2	....	....	1	....	....	3	Other Fevers	1	....	1	....	1	....	....	....	....	....	....	....	....	....	....
Females	1	....	1	....	....	....	....	....	....	1	....	....	3		....	1	....	....	....	1	....	1	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	....	....	1	....	....	2	Measles	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	1	....	....	....	....	....	....	....	2	Whooping Cough.	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Males	....	....	....	2	3	2	1	1	1	....	1	1	12	Anæmia, including Infantile Debility.	11	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	1	1	2	1	....	....	2	....	....	....	....	....	7		6	....	....	....	....	....	1	....	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

HALIBURTON—POPULATION, 6,511.

SEX.	MONTHS.													CAUSE OF DEATH.	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...														Cholera Infantum.														
Females																												
Males..														Croup														
Females																												
Males...														Diarrhœal Diseases														
Females																												
Males...														Diphtheria														
Females																												
Males...														Typhoid Fever														
Females																												
Males...														Scarlet Fever														
Females																												
Males...													2	Other Fevers			1					1						
Females			1		1																							
Males...			1										1	Measles				1										
Females																												
Males...	1				1					1			3	Whooping Cough	3													
Females	1	1											2		2													
Males...														Rheumatism and Gout														
Females																												
Males...		1			1		1	2	1				6	Anæmia, including Infantile Debility	3	1	1						1					
Females	1		1							1		1	4		4													

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

HALTON—Population, 24,112.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	3	....	....	....	....	3	Cholera Infantum.	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	....	....	....	....	....	1	Croup.....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	1	....	....	....	2	1	....	....	4	Diarrhœal Diseases.	....	1	....	....	....	....	....	....	....	1	2	....	....	....	....
Females	....	....	1	....	1	....	....	3	1	....	....	....	6		2	....	....	....	....	....	....	....	....	....	3	1	....	....	....
Males...	1	....	1	....	....	....	....	....	....	....	....	....	2	Diphtheria	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	1	....	....	....	1	....	....	....	2	5		1	1	2	....	....	....	....	....	....	....	....	....	....	....	1
Males...	....	....	....	....	1	1	1	....	1	....	1	....	5	Typhoid Fever ...	....	....	....	....	....	1	2	1	....	....	1	....	....	....	....
Females	....	....	....	....	....	....	....	....	2	....	1	....	3		....	....	....	....	....	1	....	....	1	....	....	1	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever. ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....													Other Fevers															
Females	1	....	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Males...	....	....	1	....	1	....	....	....	....	1	....	2	5	Anæmia, including Infantile Debility	4	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Females	....	2	1	....	....	....	1	1	....	....	2	2	9		4	....	....	....	....	....	3	....	1	1	....	....	....	....	....

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TABLE D.—COUNTIES. DEATHS BY AGES, MONTHS AND DISEASES, 1888.

HASTINGS—Population, 60,712.

SEX.	Months. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	CAUSE OF DEATH	Ages. Under 1 year.	1 to 5.	5 to 10.	11 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...							3	7	1	...			11	Cholera Infantum.	8	3													
Females							3	6		1			10		8	2													
Males..				2	1	1	1	3					8	Croup	3	3	2												
Females						2	2	4				1	9		4	3	2												
Males...		1					2	4	1	1			9	Diarrhœal Diseases	6	2	1												
Females							3	4	5		1		13		9	2						1		1					
Males...	2		2		3				1	1		3	12	Diphtheria		3	5	3			1								
Females	1		1				3	1		3		3	15		1	3	6	5											
Males...				1					2	2	2	1	8	Typhoid Fever				1	3	3						1			
Females								3				3	6				2			2	1		1						
Males...														Scarlet Fever															
Females																													
Males...	2	2											4	Other Fevers		1		1				1			1				
Females							1		1				2				1								1				
Males...							2						2	Measles		2													
Females								2	1				3				2	1											
Males...				1			2		1				4	Whooping Cough.	4														
Females	1	1				1							3		1	2													
Males...							2				1		3	Rheumatism and Gout.							2				1				
Females	1						1	1					3											1	2				
Males...	2	3	1	1	1		3	4	2	2		2	21	Anæmia, including Infantile Debility	17	1	1			2									
Females		2	1	3	3	3	2	3	3	1	1	1	23		16	4					1			2					

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TABLE D.—COUNTIES—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

HURON, Population, 84,179.

SEX.	Months. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	CAUSE OF DEATH	Ages. Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	...	...	...	...	...	...	1	1	2	...	...	...	4	Cholera Infantum.	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	1	...	4	...	...	1	6		4	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Males...	1	...	1	1	...	...	...	...	...	...	...	...	3	Croup	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	1	...	1	...	1	...	1	...	...	1	3	8		2	5	1	...	...	...	...	...	...	...	...	...	...	...	...
Males...	...	...	...	...	...	...	1	4	2	...	1	...	8	Diarrhœal Diseases	5	2	...	...	...	1	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	1	2	4	2	1	...	1	11		6	2	1	...	...	...	...	...	1	...	...	1	...	...	...
Males...	2	2	2	1	3	...	...	...	...	1	...	1	12	Diphtheria	...	7	4	1	...	...	...	...	...	...	...	...	...	...	...
Females	1	3	...	...	...	1	1	...	...	...	...	1	7		...	6	1	...	...	...	...	...	...	...	...	...	...	...	...
Males...	...	...	...	...	...	...	...	3	1	1	2	3	10	Typhoid Fever	...	1	...	1	...	4	2	1	1	...	...	...	...	...	...
Females	...	...	...	1	...	1	1	3	...	1	...	...	7		...	1	...	...	1	2	1	1	...	1	...	...	...	...	...
Males...	...	...	...	...	...	1	...	...	...	...	...	...	1	Scarlet Fever	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	1	...	...	2	1	...	...	...	...	4		...	3	1	...	...	...	...	...	...	...	...	...	...	...	...
Males...	...	...	...	...	...	...	...	...	...	...	...	...	...	Other Fevers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Females	...	2	...	...	...	...	...	...	...	...	...	...	2		1	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Males...	...	...	...	...	...	1	...	...	...	...	...	...	1	Measles	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Females	1	...	1	...	...	...	1	...	...	...	...	...	3		1	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Males...	1	...	...	1	...	...	...	...	...	...	...	...	2	Whooping Cough	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
Females	...	...	...	...	...	...	2	1	...	...	...	...	3		1	2	...	...	...	...	...	...	...	...	...	...	...	...	...
Males...	...	2	...	...	...	...	...	...	...	...	...	...	2	Rheumatism and Gout	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
Females	1	...	...	1	1	...	...	...	...	...	...	...	3		...	...	...	...	...	...	1	...	...	2	...	...	...	...	...
Males...	1	3	2	...	2	2	1	3	2	3	1	4	24	Anæmia, including Infantile Debility	19	1	...	...	1	...	...	...	1	2	...	...	...	...	...
Females	3	1	5	2	2	5	2	5	1	2	2	3	33		25	3	...	...	...	...	1	1	1	2	...	...	...	...	...

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

KENT.—POPULATION, 59,769.

SEX.	MONTHS. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	CAUSE OF DEATH	AGES. Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	2	....	....	....	1	1	4	3	...	....	1	12	Cholera Infantum.	11	1	....	....	..	....	....	....	....	....	....	....	....	..	....
Females	....	....	1	..	....	....	1	....	2	....	....	....	4		4	....	....	....	..	....	....	....	....	....	....	....	..	..	....	..
Males..	....	1	1	....	1	....	...	1	....	....	....	1	5	Croup.....	2	2	....	1	....	....	....	....	....	....	....	....	....	....	....	..
Females	1	....	1	1	...	....	....	1	....	.	....	2	6		2	4	....	....	....	....	....	....	....	....	....	....	....	....	....	..
Males...	....	....	....	....	....	....	....	9	5	1	2	....	17	Diarrhœal Diseases	11	3	1	....	....	....	....	....	....	....	....	2	....	....	....
Females	....	....	....	....	....	1	....	2	1	....	....	1	5		4	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	2	....	....	2	....	5	Diphtheria	....	2	3	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	3	....	1	....	1	....	....	....	....	....	....	5		....	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	....	1	....	1	2	1	1	....	2	9	Typhoid Fever....	1	....	....	....	....	1	6	....	1	....	....	....	....	....	....
Females	1	....	....	....	2	....	....	1	....	....	1	1	6		....	....	....	1	....	1	.	4	....	....	....	....	....	....	....	....
Males..	....	....	.	1	....	....	....	....	....	....	....	....	1	Scarlet Fever.....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	. .	....	1	2	....	....	....	....	....	....	....	....	3		...	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	1	....	....	2		....	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	1	....	....	....	....	....	....	....	2	Measles	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	1	....	....	....	....	1	3		1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	....	1	....	....	....	....	....	....	....	....	....	3	Whooping Cough.	2	1	....	....	....	....	....	....	...	....	....	....	....	....	....	...
Females	....	....	1	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	..	....	....	....	....	....	....	....
Males...	2	....	....	....	....	....	....	....	....	....	..	...	2	Rheumatism and	....	....	....	....	....	....	....	2	....	....	....	..	....	....	....	....
Females	....	....	....	....	2	....	....	....	....	....	....	....	2	Gout.....	....	....	....	....	....	2	....	....	....	....	....	....	....	....	....	....
Males...	....	6	6	1	2	1	3	1	7	4	1	1	33	Anæmia, including	28	3	....	....	....	....	1	....	....	1	....	....	....	....	....	....
Females	3	1	1	1	1	1	1	2	2	2	3	2	20	Infantile Debility	12	2	....	....	1	1	....	1	....	2	....	....	....	....	....	1

III.

Males...		2	2	1	1	1				1	1	2	11	Dropsy		1						1	1	3	5									
Females	2			1	1				2	2			8				1					1		3	2				1					
Males...	1	1					1					1	4	Cancer							1	2	1											
Females			1		2	2	1	1		1		1	9			1					1	1	2	4									
Males...	1	3	6	3	6	1	2	1		1	7		31	Phthisis		1		2	2	6	4	5	7	3									1
Females	2	4		3	3	7	2	6		3	1	4	35		2	1	1	2	7	11	3	3	2	1	1								1
Males...	1	1		3	2	2		2	2	2	2	3	20	Nervous Diseases, includ. Convulsions	8	2	1			2		1	1	1	1	2								1
Females	2	2		1				3	2	2	1	2	15		5	3	2			1	2		1		1									
Males...		2	2	1	2	2	1	3	2	2	1	3	21	Heart Diseases	2					2	1	3	1	6	5	1								
Females	4	2	2	2			1	1		2		1	15		1				1	2	1	1	2	5	1	1								
Males...	1	5	3	4	3	1	1	1		2			21	Pneumonia and Bronchitis	4	3	1			2		2	3	3	1	2								
Females	3	3	3	1	3	2		1				1	17		1	3	1				1	1		3	6	1								
Males...		1	1	1				1	2		1		7	Enteritis and Gastritis	2				1		1		1		2									
Females	1			2	1	2		1		1			8		2		1			2	1	1			1								
Males...												1	1	Liver Diseases								1											
Females					1	1							2				1				1												
Males...		1		1	1		1	1	4			1	10	Kidney Diseases							1		1	1	5	1							1
Females						1	1	1	3				6								2	2	1	1									
Females		1		4	1	1				1			8	Child Birth						3	3	2											
Males...	5	3	3		3		3	3	2		1	3	26	Old Age											12	10	3	11					
Females	4	3		2	5	1	2	1	3	1	4	3	29												10	12	7						
Males...	2	2	1	4	1	1	4	3	1	1	1	1	22	Violent Deaths, Accidents, etc.		1	4	3		4	3	2	3	1	1								
Females					1					1	1		3			1	1					1											
Males...														Suicide																			
Females																																	
Males...	8	2	6	2	1	3			2	3		1	28	Other diseases and cause not specified	8	4	1			3	2	1	3	5									1
Females	3	3	3	4	2	1	3	2	2	2	3	1	29		4	4	1		3	3	4	2	2	2									4
Total Males...	24	33	32	23	25	13	18	34	31	18	19	21	291	Total deaths from all causes	79	26	11	6	3	21	20	20	23	24	32	18	3	1	4					
Total Females	26	22	14	26	25	21	14	23	17	19	14	20	241		38	27	14	3	13	26	19	20	10	21	22	14	7	...	7					
Grand Total ..	50	55	46	49	50	34	32	57	48	37	33	41	532		117	53	25	9	16	47	39	40	33	45	54	32	10	1	11					

111.

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

LAMBTON—POPULATION, 57,238.

SEX.	MONTHS.												Total.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	2	4	1	....	....	7	Cholera Infantum.	5	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	2	3	2	....	....	....	7		5	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	1	....	2	....	2	....	6	Croup	....	5	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	1	1	1	....	1	5		2	1	2	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	3	3	2	1	....	....	9	Diarrhœal Diseases	6	....	....	....	....	....	....	2	....	....	....	1	....	....	....
Females	....	1	....	....	....	....	1	1	6	3	....	....	12		9	1	....	....	....	....	....	1	....	....	1	....	....	....	....
Males	....	....	....	1	....	....	....	....	2	....	4	....	7	Diphtheria	....	3	4	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	1	....	1	....	1	....	....	....	....	4	....	9		....	4	2	2	....	....	1	....	....	....	....	....	....	....	....
Males	....	....	1	....	....	....	1	3	5	3	4	....	17	Typhoid Fever	....	1	1	....	1	6	5	2	1	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	3	5	1	....	9		....	....	3	....	4	1	....	1	....	....	....	....	....	....	....
Males	2	....	1	2	1	....	....	....	....	....	1	....	7	Scarlet Fever	2	5	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	2	1	1	....	....	....	....	....	....	....	....	4		2	1	....	....	1	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Other Fevers.	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	1	1	....	2	....	....	....	....	....	....	....	....	4		....	1	....	....	1	1	1	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Measles	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	....	....	....	....	....	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	....	1	....	....	....	....	....	1	1	....	5		2	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	1	....	....	....	....	....	1	....	....	....	....	....	2		....	....	....	....	2	....	....	....	....	....	....	....	....	....	....
Males	2	2	3	2	2	2	....	1	4	2	..	1	21	Anæmia, including Infantile Debility	15	2	....	....	2	....	....	....	1	1	....	....	....	....	....
Females	1	1	1	1	1	....	3	4	3	2	2	...	19		14	3	....	....	....	....	....	....	2	....	....	....	....	....	....

Males...	....	....	.	....	....	1	....	....	....	1	....	....	2	Dropsy	....	....	....	....	....	..	....	....	....	....	2	....	....	....	....								
Females	2	....	....	1	....	1	....	....	....	....	1	....	5		....	..	1	....	....	....	....	....	1	2	1	..	....	....								
Males...	1	..	....	....	1	....	2	....	....	....	....	1	5	Cancer	....	....	....	....	....	1	....	1	1	1	1	....	....	....	....								
Females	2	....	....	....	..	2	....	....	1	1	2	1	9		....	....	....	....	....	1	....	2	3	3	....	....	....	....	....								
Males...	4	3	1	2	2	6	2	3	2	3	1	....	29	Phthisis	1	....	....	....	6	11	2	1	3	4	1	....	....	....	....								
Females	3	2	7	6	4	5	1	1	5	14	2	2	52		2	....	....	1	7	22	9	6	3	1	1	....	....	....	....								
Males...	5	1	2	1	5	1	....	2	3	1	1	2	24	Nervous Diseases, incluđ. Convulsions	9	5	3	....	1	4	....	....	....	2	....	....	....	....	....								
Females	3	4	5	1	1	2	2	....	....	2	3	2	25		9	3	....	1	....	5	....	3	1	3	....	....	....	....	....								
Males...	2	1	1	2	1	..	1	7	1	5	2	2	25	Heart Diseases ...	....	....	....	....	1	....	1	1	3	12	6	1	....	....	....								
Females	1	....	2	2	....	1	....	1	1	2	1	1	12		....	....	....	....	..	1	3	2	2	1	3	....	....	....	....								
Males...	7	4	7	5	3	2	....	....	2	4	2	....	36	Pneumonia and Bronchitis	5	5	2	1	1	3	1	5	4	2	6	1	....	....	....								
Females	1	1	5	2	3	1	2	....	..	2	....	3	20		6	1	1	1	...	1	1	1	1	5	2	....	....	....	....								
Males...	1	2	1	1	....	1	1	....	1	2	1	....	11	Enteritis and Gastritis	2	....	.	1	....	4	....	1	....	1	1	1	....	....	....								
Females	.	....	1	2	3	....	1	1	3	....	1	....	12		2	3	1	..	....	....	1	2	1	2	....	....	....	....	....								
Males ..	....	....	....	....	....	...	...	1	....	....	....	....	1	Liver Diseases ...	....	....	....	....	....	....	..	....	1	....	....	....	....	....	....								
Females	....	...	..	....	....	....	...	....	1	....	....	....	1		....	....	....	....	...	....	....	....	....	1	....	....	....	....	....								
Males...	....	1	4	....	1	3	1	1	2	....	1	3	17	Kidney Diseases .	2	1	...	1	....	....	....	3	2	3	3	2	....	....	....								
Females	..	1	...	....	....	1	....	1	....	....	....	....	3		....	....	1	....	....	....	1	....	1	....	....	....	....	....	....								
Females	1	...	....	2	..	2	....	....	1	....	....	1	7	Child Birth	....	....	....	....	....	3	2	2	....	....	....	....	....	....								
Males...	1	1	1	....	5	2	1	3	4	2	2	....	22	Old Age	....	....	....	....	....	....	....	....	....	..	13	7	2	....	..								
Females	1	5	4	1	3	4	3	1	3	1	3	1	30		....	....	....	....	....	....	....	....	....	....	13	12	4	1	..								
Males..	1	2	. .	1	1	....	2	1	4	1	2	2	17	Violent Deaths, Accidents, etc..	....	1	.	....	7	4	1	2	1	....	....	....	....	....	1								
Females	....	....	....	....	....	....	2	....	....	....	....	1	3		....	....	..	....	....	....	....	....	....	1	....	2	....	....	....								
Males...	....	....	....	....	1	....	....	....	....	....	....	....	....	Suicide	....	....	..	..	....	....	....	....	....	1	..	....	....	....	....								
Females	....	....	....	....	....	....	....	....	....	.	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....								
Males...	1	....	2	3	1	....	1	3	5	1	4	1	22	Other diseases and cause not specified.	4	1	1	....	2	3	2	2	4	2	....	1	.	....	....								
Females	2	2	1	1	2	2	....	1	....	1	1	....	13		2	....	2	1	.. .	1	....	1	2	2	....	....	....	....	2								
Total Males...	28	17	25	23	24	18	16	30	43	27	27	12	290	Total Deaths from all causes	53	31	12	3	21	37	12	20	21	30	33	14	2	....	1								
Total Females	22	22	27	26	17	22	18	15	30	35	22	13	269		55	23	14	6	15	36	19	21	17	21	21	14	4	1	2								
Grand Total.	50	39	52	49	41	10	34	15	73	62	49	25	559	.....	108	54	26	9	36	73	31	41	38	51	54	28	6	1	3								

IV.

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

LANARK—Population, 37,372.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	2	....	....	2	1	....	....	....	....	5	Cholera Infantum.	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	2	1	....	1	....	....	....	....	....	4		3	1	....	....	....	....	..	....	....	....	....	..	....	....	....
Males	1	1	....	....	1	....	....	....	....	....	....	....	3	Croup	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	..	....	1	....	....	....	....	....	....	....	1		....	1	...	...	....	....	....	....	...	....	....	....	....	....	....
Males	....	....	....	...	1	3	....	1	....	....	....	....	5	Diarrhœal Diseases	3	1	..	....	....	....	....	....	....	....	1	....	....	....	....
Females	1	1	....	..	....	....	1	....	1	1	1	....	6		5	....	1	....	....	....	....	....	....	..	....	....	....	....	....
Males	1	....	..	...	...	2	....	2	....	....	....	....	5	Diphtheria	....	3	....	1	1	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	2	....	1	....	1	....	....	....	....	5		....	1	1	2	1	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	1	1	....	....	1	....	4	Typhoid Fever	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	2	3		....	....	....	....	1	1	1	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	..	....	....	....	1	2	....	3	Scarlet Fever	....	....	2	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	....	1	...	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	....	....	1	....		2	....	....	4	Other Fevers	....	2	1	1	....	....	....	....	....	....	....	....	....	..	....
Females	....	....	....	....	....	....	....	....	1	....	1	....	2		1	1	....	....	....	..	....	....	....	....	....	....	....	....	....
Males	....	....	..	....	....	....	....	1	1	....	....	....	2	Measles	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	....	....	....	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	2	....	....	....	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	..	....	....	....	....	..	....	....	....	....	....	....	....	Rheumatism and Gout	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Males	1	3	2	....	1	2	2	3	2	1	1	1	19	Anæmia, including Infantile Debility	13	2	1	....	....	....	....	....	2	1	....	....	....	....	....
Females	1	2	....	4	1	3	2	2	3	2	2	1	23		18	3	....	....	....	....	....	....	1	1	....	....	....	....	....

[Pa.

Males								2			1			3	Dropsy										1	2												
Females	4													4										1	1		1	1									
Males			1				1				1			3	Cancer										2	1											
Females			1							1	1			3										1	1		1									
Males	2			2	3		1	4	1	2		1		16	Phthisis					1	6	3	2	4												
Females	1		3	1	2	4	1	2	1	1	1	2		19						2	8	5	2	1	1											
Males		1	1	1	1	2	2		1			1		10	Nervous Diseases, includ. Convulsions	2	3	1	2						1	1											
Females	3		2	1			1		1		2			10		2	2		1		2	1			2											
Males			1	2	1			2				1		7	Heart Diseases										2	4	1									
Females		1	2	1	3					3	1			11			1			1				2	2	3	2									
Males	3	5	3	3	3	3	2	1	1		1	6		31	Pneumonia and Bronchitis	7	4	1		1	4		3	2	5	2	2										
Females	1		2	5	2	1	2			1	1	1		16		6	2			1			2	2	2	1										
Males			2				1		1			2		6	Enteritis and Gastritis	1					2		1		1	1											
Females		1	2				1							4		1	1				1				1											
Males						1	1				2			4	Liver Diseases									1	2	1											
Females																																				
Males			1			1			1	1		1		5	Kidney Diseases								1		2	2											
Females			1											1											1											
Females		1			1									2	Child Birth						1		1														
Males	3	3	1	4	1		2		3	5	2	2		26	Old Age										9	14	3										
Females	3	3	2	2		1	2	1	1		3			18											7	9	1	1								
Males	1		1		3		2	1						8	Violent Deaths, Accidents, etc.			1	1		2	1		1		2											
Females						1								1						1																
Males		1												1	Suicide								1														
Females						1								1						1																
Males		2	6	1	1	2	2	1	1	2	1	2		21	Other diseases and cause not specified.	7	1	2	1		4	1	3		1											1	
Females		2	2		1	1	2		3			2		13			1			1	2	1	4	2	2										
Total Males	12	17	19	15	16	18	22	18	12	15	11	17		192	Total Deaths from all causes	40	19	10	7	4	19	6	12	13	18	23	17	3			1							
Total Females	16	12	17	18	12	13	15	6	12	10	14	8		153		40	14	3	3	9	15	8	11	10	13	13	12	1	1							
Grand Total	28	29	36	33	28	31	36	24	24	25	25	25		345		80	33	13	10	13	34	14	23	23	31	36	29	4	1	1						

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

LEEDS AND GRENVILLE—Population, 66,181.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	1	3	....	....	....	....	4	Cholera Infantum.	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	4	1	....	....	....	6		5	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	2	....	....	1	1	....	1	2	....	7	Croup	3	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	2	....	....	....	1	....	....	1	4		2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	1	....	....	2	3	....	....	....	6	Diarrhœal Diseases	1	2	....	....	....	....	....	1	....	....	1	....	1	....	....
Females	....	....	....	....	....	....	2	1	6	1	....	....	10		5	1	....	....	....	....	....	....	....	1	1	2	....	....	....
Males...	4	4	1	1	....	....	....	1	....	1	1	....	13	Diphtheria	....	4	6	1	1	....	....	1	....	....	....	....	....	....	....
Females	3	....	4	....	1	....	....	....	....	....	2	1	11		....	2	6	1	2	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	....	....	2	....	....	2	....	....	5	Typhoid Fever ...	....	....	....	....	....	1	2	2	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	1	1	....	1	4		....	....	1	....	....	2	....	1	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	1	....	1	Scarlet Fever.....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	1	....	....	....	....	....	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	1	1	Measles	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	....	....	1	....	....	....	....	....	2	Rheumatism and Gout	....	....	....	....	....	....	....	....	1	1	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	....	....	2		....	....	....	....	....	....	....	....	1	1	....	....	....	....	....
Males...	2	4	3	3	1	....	....	5	7	1	2	3	31	Anæmia, including Infantile Debility	27	2	....	....	....	....	....	....	1	1	....	....	....	....	....
Females	1	4	1	3	4	2	....	3	3	1	....	....	22		19	2	....	....	....	....	....	1	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

LENNOX AND ADDINGTON.—Population, 29,133.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	2	1	1	....	....	....	4	Cholera Infantum.	3	1	....	....	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	...	..	..	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	...	....	....	....	....
Males...	....	...	....	....	..	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	2	....	....	....	....	....	....	..	....	1	....	3		....	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	...	1	....	....	..	5	2	1	1	1	11	Diarrhœal Diseases..	5	5	....	..	....	....	....	....	....	....	....	1	....	....	....
Females	....	....	....	....	..	....	....	2	1	....	....	....	3		1	2	....	....	....	....	....	....	....	....	..	....	....	....	....
Males...	1	....	....	....	....	....	....	....	....	....	1	....	2	Diphtheria	..	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	1	....	....	....	....	2		..	1	1	....	..	...	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	...	...	....	....	....	1	....	...	1	Typhoid Fever ...	....	....	....	....	....	....	....	....	....	1	..	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	1	....	....	2		...	....	....	....	1	1	....	....	....	...	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	..	....	....	....	....	....	....	....	....	1	....	...	1	Other Fevers	....	..	....	....	1	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	...	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	...	....	1	2	Whooping Cough.	2	....	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	..	....	....	....	....	1	....	....	....	....	1	....	2	Rheumatism and Gout.	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	...	1	...	....	....	....	....
Ma'es...	2	....	2	....	1	....	....	....	....	....	....	....	5	Anæmia, including Infantile Debility	3	....	....	....	....	1	..	1	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	1	1	2	....	....	1	6		6	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

LINCOLN.—Population, 34,719.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown
Males	...	....	....	....	....	1	....	2	....	....	....	....	3	Cholera Infantum.	2	1	...	....	....	....	....	....	....	....	....	....	....	....	..
Females	....	....	....	....	....	....	2	3	....	....	....	....	5		5	...	....	....	....	....	....	....	....	..	....	....	....	....	....
Males	....	1	1	....	1	..	....	....	....	....	....	1	4	Croup	....	1	1	2	....	....	....	....	....	....	....	....	....	....	....
Females	2	....	....	1	....	....	....	....	....	....	....	....	3		1	1	1	..	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	2	1	....	2	....	....	....	....	6	Diarrhœal Diseases	5	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	3	2	....	....	1	7		3	3	....	....	1	..	....	....	....	....	....	....	....	....	....
Males	1	1	1	..	1	....	....	....	..	1	....	....	5	Diphtheria	....	....	4	1	....	....	....	....	..	....	....	....	....	....	....
Females	1	2	1	1	1	....	....	....	..	3	1	....	10		....	4	1	1	2	2	....	....	....	....	..	....	....	....	....
Males	....	...	....	1	....	....	....	1	2	....	1	1	6	Typhoid Fever	....	....	1	1	1	3	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	..	....	....	....	1		...	....	....	1	..	....	....	....	....	....	....	....	....	....	....
Males	...	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	.	..	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	..	....	1	....	....	....	1		....	1	....	..	..	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	1	....	....	2	Other Fevers	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	1	....	....	....	1		...	....	....	....	....	....	....	....	....	....	....	1	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	1	1	Measles	1	....	....	....	....	....	....	....	..	....	....	....	....	....	....
Females	...	....	....	....	....	....	....	....	....	....	1	....	1		....	1	....	..	....	....	....	..	....	....	....	....	....	....	....
Males	..	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	...	1	....	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	...	1	....	....	....	....	....	....	1		....	....	...	....	...	1	....	....	....	....	....	....	....	....	....
Males	3	2	3	2	1	1	1	4	2	....	2	1	22	Anæmia, including Infantile Debility	17	2	....	....	....	1	....	..	1	1	....	....	....	....	....
Females	2	2	1	2	....	1	1	3	2	....	....	...	14		11	1	....	1	....	....	1	....	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

MIDDLESEX.—Population, 102,389.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	4	3	1	2	....	....	10	Cholera Infantum.	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	4	5	3	....	....	....	13		11	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	3	....	....	1	2	1	1	....	....	....	....	1	9	Croup	2	5	1	....	....	....	....	....	....	....	....	....	....	....	1
Females	..	1	3	3	....	....	....	....	2	....	....	....	9		2	4	3	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	2	....	1	1	1	3	5	14	1	....	1	29	Diarrhœal Diseases	22	2	2	....	....	....	....	....	2	1	....	....	....	....	....
Females	1	....	1	1	1	1	1	9	6	1	....	....	22		13	1	3	....	..	....	....	2	....	1	2	....	....	....	....
Males	2	2	2	2	1	....	3	2	2	....	....	4	20	Diphtheria	2	4	7	4	2	....	....	....	....	....	1	....	....	....	....
Females	4	2	....	..	3	1	1	2	....	....	2	1	16		1	5	5	3	1	....	....	1	....	....	....	....	....	....	....
Males	....	1	....	....	....	....	....	1	....	2	1	4	9	Typhoid Fever	..	....	1	....	....	5	....	2	....	1	....	....	....	....	....
Females	....	....	....	....	....	....	2	1	2	4	....	1	10		....	....	1	....	....	5	2	....	2	....	....	....	....	....	....
Males	2	....	....	1	1	....	....	....	1	....	....	....	5	Scarlet Fever	....	3	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	.. .	3	....	....	....	....	1	....	....	....	4		....	1	3	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	2	....	1	....	....	....	....	....	....	3	Other Fevers	....	1	1	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	1	1	....	....	....	3		....	1	1	1	..	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	....	....	....	....	....	....	1	Measles	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	..	....	....	....	....	....	1	....	....	1	3		1	1	....	....	....	1	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	..	....	....	....	....	1	....	....	1	Whooping Cough	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	1	2	....	2	1	7	Rheumatism and Gout	....	1	2	....	1	....	....	....	2	1	....	....	....	....	....
Females	....	....	1	2	....	....	1	....	....	....	....	....	4		1	....	1	....	1	....	....	1	....	....	....	....	....	....	....
Males	5	3	2	5	2	1	6	5	3	2	3	2	39	Anæmia, including Infantile Debility.	32	6	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	2	8	1	8	3	....	2	6	6	6	3	2	47		28	2	...	....	1	3	2	1	4	6	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

MUSKOKA AND PARRY SOUND—Population, 39,926.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	...	....	1	..	....	1	....	...	1	....	3	Cholera Infantum.	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	2	1	...	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	1	1	....	....	....	....	....	3	1	....	1	7	Croup.....	4	2	1	....	....	..	....	....	....	....	....	....	....	....	....
Females	1	...	....	...	..	....	....	....	2	1	....	....	4		....	3	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	2	..	....	....	2	6	1	....	....	12	Diarrhœal	10	1	....	....	....	....	...	....	....	....	....	....	....	....	1
Females	....	....	....		....	1	....	2	1	1	....	1	6	Diseases	4	1	....	....	....	....	....	....	....	....	1	....	....	....	....
Males...	4	3	2	1	1	....	....	1	....	...	1	4	17	Diphtheria.....	4	4	7	2	....	....	....	....	..	....	....	....	....	....	....
Females	2	....	....	....	....	...	1	6	3	4	1	5	22		3	7	8	2	2	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	1	....	..	1	2	Typhoid Fever ...	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....
Females	....	..	....	....	....	....	....	....	....	1	....	....	1		....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	....	....	....	....	1	2	Scarlet Fever.....	1	....	1	.	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	1	....	2		....	....	1	1	....	....	....	....	....	....	....	....	....	....	....
Males...	....	...	....	....	....	....	2	....	2	2	....	....	6	Other Fevers.....	....	....	....	....	2	....	1	1	....	2	..	....	....	....	....
Females	....	....	....	....	....	1	....	1	....	2	....	....	4		....	2	....	....	....	....	....	1	1	....	....	....	....	....	....
Males...	....	..	....	..	...	....	....	....	....	....	....	....	....	Measles	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	2	....	1	....	3	Whooping Cough.	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	1	....	...	....	....	1	3	...	1	....	6		3	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	...	....	..	1	....	1	1	....	3	Rheumatism and	....	1	....	....	....	....	1	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	1	....	2	Gout.	....	....	....	....	....	1	..	1	....	....	....	....	....	....	....
Males...	3	4	....	1	....	1	1	....	2	3	5	....	19	Anæmia, including	12	4	....	....	....	....	1	..	1	1	....	....	....	....	....
Females	2	1	3	1	1	....	3	....	1	....	2	1	15	Infantile Debility	11	....	....	....	....	2	....	....	....	1	....	....	....	....	1

Males...	2	....	....	...	1	....	....	....	....	....	1	....	4	Dropsy	....	....	....	1	....	....	....	....	2	1	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	....	1	....	2		....	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Males...	....	1	....	1	1	1	....	....	....	....	....	....	4	Cancer	....	....	....	....	....	2	..	....	....	1	1	....	....	....	....	....	....	..
Females	....	....	2	2	..	....	1	..	....	....	2	2	9		....	....	....	....	....	....	1	2	2	3	1	..	....	....	..	....	....	.
Males...	1	....	....	1	....	....	....	2	1	2	....	....	7	Phthisis	....	....	....	....	....	5	....	....	1	1	....	....	....	....	....	....	....	....
Females	3	1	....	....	....	....	....	3	2	1	1	....	11		1	1	....	....	1	4	....	1	3	....	....	....	....	....	....	....	....	....
Males...	2	1	3	1	....	....	3	5	1	2	1	....	19	Nervous Diseases, incluđ. Convulsions	13	4	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	2	3	2	....	....	1	1	1	1	1	....	14		9	1	....	1	1	....	....	....	1	....	1	....	....	....	....	....	....	....
Males...	....	1	....	....	..	1	....	....	....	....	....	2	4	Heart Diseases ...	....	....	....	....	....	....	....	1	1	2	....	....	....	....	....	....	....
Females	2	1	1	....	1	2	3	....	....	2	1	....	13		1	....	....	....	....	1	4	....	3	3	1	....	....	....	....	....	....	....
Males...	1	5	3	....	4	1	....	1	3	2	3	2	25	Pneumonia and Bronchitis	7	7	....	1	4	1	....	....	1	2	1	....	....	....	....	....	1
Females	....	....	1	....	2	2	..	....	1	1	3	3	13		4	4	1	....	1	....	....	....	1	....	1	....	....	....	....	....	1
Males...	....	2	1	1	1	2	2	4	....	....	1	1	15	Enteritis and Gastritis	2	3	2	....	1	3	3	....	1	....	....	....	....	....	....	....	..	..
Females	1	....	....	....	..	2	1	....	2	....	....	....	6		....	....	2	....	....	1	1	....	1	1	1	....	....	....	....	....	....	....
Males...	....	....	1	....	....	....	....	....	....	....	....	....	1	Liver Diseases....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	..	....	1	1	1	....	....	....	4		1	1	....	....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	1	....	....	....	..	....	....	2	....	4	Kidney Diseases..	....	....	....	1	....	....	....	....	....	2	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	..	....	..	....	..	....	....	1	2	....	....	3	Child Birth	....	....	....	....	....	2	1	....	....	....	..	....	....	....	....	....	..	..
Males...	2	1	1	1	3	2	1	1	1	1	1	2	17	Old Age	....	....	....	....	....	....	....	....	....	....	10	7	....	....	....	....	..
Females	2	....	...	....	4	...	2	....	2	1	1	....	12		....	....	....	....	....	....	....	....	....	....	5	6	1	....	....	....	....
Males...	....	....	....	....	4	1	1	3	...	....	1	....	10	Violent Deaths, Accidents, etc..	....	3	....	1	1	1	3	....	....	1	....	....	....	....	....	....	....	....
Females	....	....	....	2	3	....	.	..	1	....	....	....	6		1	....	....	2	..	....	1	1	1	.	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	....	....	....	1	Suicide.....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	..	....	....	....	....	....	....	....	....	....		....	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....
Males...	3	1	1	....	3	1	3	6	7	3	....	2	30	Other diseases and cause not specified	15	3	1	1	1	2	....	2	1	2	....	....	....	....	....	....	2	2
Females	1	....	....	1	3	1	3	2	3	4	2	2	22		11	2	1	2	....	1	3	..	....	....	....	....	....	....	....	....	....	....
Total Males..	18	21	14	10	19	10	14	27	29	18	19	16	215	Total Deaths from all causes.	74	32	13	7	9	15	10	6	8	16	14	7	....	...	4		
Total Females	16	5	12	9	15	9	16	20	25	21	18	14	180		52	25	14	8	6	13	11	7	14	9	10	6	1	....	4		
Grand Total.	34	26	26	19	34	19	30	47	54	39	37	30	395	... ...	126	57	27	15	15	28	21	13	22	25	24	13	1	....	8		

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

NORFOLK—Population, 36,879.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	1	....	1	....	....	..	....	....	2	1	....	....	5	Cholera Infantum.	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	....	..	1	1	....	....	1	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	1	1	Croup	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	..	....	1	....	....	....	....	1	2	....	....	....	4	Diarrhœal Diseases	1	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	..	..	1	....	1	....	....	1	1	....	....	5		2	1	....	....	....	....	1	....	....	1	....	..	....	....	....
Males ..	....	1	....	2	1	....	....	1	1	1	2	1	10	Diphtheria	3	...	4	....	2	1	....	....	....	....	....	....	....	....	....
Females	1	3	....	....	2	1	....	....	4	1	2	3	17		1	3	5	5	1	2	....	....	....	....	....	....	....	....	....
Males ..	...	....	1	1	....	2	....	1	2	2	1	....	10	Typhoid Fever ...	1	....	....	....	3	2	....	....	....	3	1	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	1	....	3		...	....	....	1	....	....	1	....	....	1	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	1	Scarlet Fever.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	....	....	....			....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	1	....	....	....	2	....	....	....	3	Other Fevers.....	....	1	....	....	..	1	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	1	....	....	....	....	2		1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Males ..	..	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	1	....	....	....	....	....	....	....	....	1		1	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	...	...	....	....	3	....	....	....	....	....	....	....	3	Rheumatism and Gout	....	...	....	....	....	2	....	1	....	....	....	....	....	....	....
Females	....	....	....	2	....	1	1	....	....	1	....	....	5		....	....	....	....	....	1	....	2	2	....	....	....	....	....	....
Males ..	....	....	....	2	1	....	2	....	....	1	....	....	6	Anæmia, including Infantile Debility	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	1	1	....	....	....	....	....	....	....	1	4		3	....	....	....	....	1	....	....	....	....	....	....	....	....	....

Males					1	2						1	2	6	Dropsy										1	4	1											
Females							1	1	1	2		1		6							2		1		2	1												
Males					1	2								3	Cancer								3															
Females		1		1		1		2			1	1		7							1		3	1	2												
Males	2	2	1	3			2	1	2	1				14	Phthisis	1			1		3		2	1	3	3											
Females	2	1	3	4		3	3	1			2	1		20			1		1	1	10	3	1	1	2												
Males	4	3		1	1		2			1	1	3		16	Nervous Diseases, includ Convulsions	2	4		1		1	1		3	2	2											
Females			2	1	2	1	2	1	5		1	3		18		3	3	1		1	1	1	2	2	2	2											
Males	1		2	1		1			1	2		3		11	Heart Diseases	2								1	2	5	1										
Females		1		1			3			1				6					1		4				1												
Males	4	2	3	1	3	6				1	1	1		22	Pneumonia and Bronchitis	4	4	1	1		1		2	3	3	2											1
Females	3		1	2	3	2					2	2		15		1	1	1	1		1	3	4	1	1	1										
Males				1		1	1		1					4	Enteritis and Gastritis	1					1			1	1												
Females							2			1	1	1		5							1	2			2												
Males			1											1	Liver Diseases										1												
Females																																					
Males		2	1						1		2	1		7	Kidney Diseases	1	1						1	1		2	1										
Females		1							1			1		3							1			1		1										
Females			1		1		1	1				1		5	Child Birth						3	2															
Males	3	2	3	4	1		3	1	2		1	2		22	Old Age										10	10	2										
Females	3	2	2	2	3	2	2		2	1	3	2		24											8	13	2	1								
Males	1		2	1					1	1	1			7	Violent Deaths, Accidents, etc.		2	1		1	1	1				1											
Females											1			1										1												
Males															Suicide																					
Females					1									1								1														
Males			1		1	1			1	1				5	Other diseases and cause not specified.	1							1	1	2												
Females	2							2	2		2			8		4		1						1	1	1										
Total Males	16	12	18	19	13	13	10	5	18	12	10	14		160	Total Deaths from all causes	29	15	6	3	6	13	3	11	10	20	29	12	2		1							
Total Females	12	10	11	16	12	14	15	10	19	7	18	17		161		20	9	8	10	4	28	14	13	9	16	14	13	2	1								
Grand Total	28	22	29	35	25	27	25	15	37	19	28	31		321		49	24	14	13	10	41	17	24	19	36	43	25	4	1	1							

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

NORTHUMBERLAND AND DURHAM—Population, 85,129.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	3	....	....	....	....	3	Cholera Infantum.	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	5	2	....	....	....	7		7	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	....	....	....	....	....	1	Croup	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	....	....	....	....	....	1	2	5	1	....	....	11	Diarrhœal Diseases.	5	4	....	....	....	....	....	....	....	....	....	2	....	....	....
Females	1	....	1	....	....	....	1	4	2	2	....	....	11		4	4	....	....	....	....	....	2	....	....	....	1	....	....	....
Males...	....	....	1	....	1	....	....	....	1	4	2	....	9	Diphtheria	1	3	3	2	....	....	....	....	....	....	....	....	....	....	....
Females	2	3	....	....	....	....	....	1	....	3	1	....	10		....	2	2	2	....	4	....	....	....	....	....	....	....	....	....
Males...	1	....	....	....	1	2	....	....	....	2	....	....	6	Typhoid Fever	....	1	....	....	....	2	....	....	1	2	....	....	....	....	....
Females	4	....	....	....	....	3	1	2	....	....	....	....	10		....	1	1	2	....	....	1	2	3	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	....	....	....	1	Other Fevers	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Females	....	....	....	....	....	....	....	1	1	..	....	1	3		....	2	..	....	....	....	....	....	....	1	....	....	....	....	....
Males...	1	....	....	....	....	1	....	....	....	....	....	....	2	Measles	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	1	....	....	....	....	1	....	1	3	Whooping Cough.	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	1	1	....	....	3		2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	1	....	....	1	....	..	....	....	....	3	Rheumatism and Gout.	....	....	....	....	....	1	1	....	....	....	1	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	1	2		....	....	1	....	....	....	....	....	....	1	....	....	....	....	....
Males...	2	1	3	3	1	2	2	1	3	3	1	5	27	Anæmia, including Infantile Debility	18	6	...	....	....	....	....	....	2	1	....	....	....	....	....
Females	1	3	5	3	4	1	2	2	2	2	1	....	26		15	4	....	..	1	2	1	2	....	1	....	....	....	....	....

Males...	1	....	3	1	....	....	....	....	....	1	....	1	7	Dropsy	....	....	....	....	....	....	....	2	....	2	2	1	....	....	....	....
Females	1	2	1	3	2	3	....	1	2	....	2	1	18		....	....	....	....	....	....	....	3	2	3	5	4	1	....	....	....
Males...	....	....	1	....	3	1	....	....	....	1	....	....	6	Cancer	....	....	....	....	....	....	....	....	....	2	1	3	....	....	....	....
Females	....	1	....	2	....	....	2	....	....	....	....	1	6		....	....	....	....	....	....	....	3	1	1	....	....	1	....	....	....
Males...	4	2	1	5	1	4	3	2	3	3	1	4	33	Phthisis	1	2	....	2	2	12	5	3	2	1	1	2	....	....	....
Females	3	1	4	8	4	5	5	3	....	2	5	7	47		1	....	....	3	5	12	10	4	6	5	....	1	....	....	....	....
Males...	1	1	4	5	4	6	3	2	7	5	3	3	44	Nervous Diseases, including Convulsions	12	6	2	....	2	3	3	1	3	3	9	....	....	....	....
Females	1	5	2	1	3	2	5	7	4	1	2	3	36		2	8	2	....	1	4	2	1	7	4	4	1	....	....	....
Males...	6	2	1	3	1	...	4	2	1	3	2	2	27	Heart Diseases	2	....	....	....	....	1	...	2	3	10	7	2	....	....	....
Females	1	1	1	1	2	1	3	1	....	1	2	3	17		..	....	....	....	....	....	1	3	2	6	5	....	....	....	....
Males...	7	15	14	8	7	2	4	2	3	1	3	5	71	Pneumonia and Bronchitis	18	8	2	...	3	2	4	8	6	5	13	2	....	....	....
Females	1	10	3	4	6	3	1	....	....	5	2	9	44		11	3	1	2	....	3	5	5	....	5	8	1	....	....	....
Males...	3	1	4	2	....	2	1	1	1	1	1	1	18	Enteritis and Gastritis	1	....	....	2	2	3	1	....	2	5	....	2	....	....	....
Females	2	4	....	1	1	....	....	1	....	1	1	....	11			1	....	....	....	5	....	....	....	3	1	1	....	....	....
Males...	....	1	....	....	2	..	....	1	1	4	....	....	9	Liver Diseases ..	....	....	....	..	....	1	....	..	3	5	....	....	....	....	....
Females	....	1	1	....	....	....	....	....	....	....	....	....	2		....	....	....	....	..	....	....	....	1	1	..	....	....	....	....
Males...	1	2	..	1	1	2	....	1	1	1	1	1	12	Kidney Diseases..	....	1	....	....	1	1	2	1	1	2	2	1	....	....	..
Females	....	1	1	....	....	....	....	1	....	1	....	....	4		....	....	....	....	....	2	....	....	....	2	....	....	....	....	....	..
Females	....	2	....	1	....	....	....	....	1	...	1	1	6	Child Birth	....	....	....	....	....	3	3	....	....	....	....	....	....	....	....
Males...	14	5	11	4	4	4	3	3	....	5	6	10	69	Old Age	....	....	....	....	....	....	....	....	....	....	24	41	4	....	....
Females	8	10	5	5	3	6	6	4	3	4	5	2	61		....	....	....	....	....	....	....	....	....	....	29	27	5	....	....
Males...	3	....	1	....	1	3	2	....	1	....	2	2	15	Violent Deaths, Accidents, etc ..	....	....	2	....	6	4	2	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	1	1	....	....	....	3		....	1	....	....	1	1	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	....	2	....	3	Suicide.	....	....	....	....	....	....	....	1	1	....	1	....	....	....	....
Females	....	...	1	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Males...	....	6	2	2	2	....	4	2	2	2	....	1	23	Other diseases and cause not specified.	7	2	2	2	1	2	....	2	2	3	....	....	....	....	....
Females	2	3	5	3	2	1	1	....	....	1	....	1	19		2	1	2	2	....	2	2	3	2	1	2	....	....	....	....
Total Males...	46	37	47	35	30	29	30	22	29	38	24	36	403	Total Deaths from all causes.	70	36	12	8	17	32	20	19	30	40	63	52	4	...	....
Total Females	27	48	30	33	27	25	28	35	19	24	22	30	348		45	28	9	11	8	38	31	26	25	35	54	33	5	....	....
Grand Total.	73	85	77	68	57	54	58	57	48	62	46	66	751	... .	115	64	21	19	25	70	51	45	55	75	117	85	9	.....	....

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

ONTARIO—POPULATION, 53,693.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	1	1	1	....	1	....	4	Cholera Infantum.	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	3	1	....	....	....	5		5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	1	....	....	....	....	....	1	2	1	6	Croup	1	3	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	2	....	....	....	....	....	1	..	....	1	1	6		1	3	2	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	2	2	4	....	....	....	8	Diarrhœal Diseases	6	1	...	....	....	....	....	....	....	....	1	..	....	....	....
Females	....	....	....	....	....	....	....	1	2	2	....	....	5		3	1	....	....	....	....	....	1	..	....	....	....	....	....	....
Males	3	2	3	4	1	...	1	1	....	....	....	4	19	Diphtheria	....	8	8	3	....	....	....	....	....	....	....	....	....	....	....
Females	2	....	3	1	....	....	3	1	....	1	....	1	12		....	7	2	2	1	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	2	1	1	4	Typhoid Fever	....	....	1	1	1	....	....	1	....	....	....	....	....	....	....
Females	...	....	....	....	....	....	....	2	3	1	...	....	6		....	...	1	1	3	....	....	....	...	1	....	....	....	....	....
Males	....	...	....	1	....	...	....	..	....	....	....	....	1	Scarlet Fever	....	....	...	1	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	1	....	....	2		....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	2	....	....	....	....	2	....	....	1	....	1	....	6	Other Fevers	....	1	1	2	....	....	2	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	3	1	1	1	....	....	....	7		1	2	....	....	2	1	....	....	1	....	....	....	....	....	....
Males	....	....	..	1	...	1	....	1	....	....	....	....	3	Measles	1	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	..	1	....	1	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	...	....	....	....	....	....	....	....	....	1	....	...	1	Whooping Cough	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	1	....	2		....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	...	....	1	....	....	....	....	....	..	1	1	....	3	Rheumatism and Gout	....	....	....	....	....	....	1	1	....	1	....	....	....	....	....
Females	...	....	....	....	....	....	1	1	....	....	....	....	2		....	....	....	....	....	....	....	1	1	....	....	....	....	....	....
Males	1	....	...	....	1	3	4	3	2	3	4	....	21	Anæmia, including Infantile Debility	14	2	1	1	1	2	....	....	....	....	....	....	....	....	....
Females	2	....	2	1	2	1	2	2	4	3	1	3	23		9	4	3	....	2	1	1	1	....	2	....	....	....	....	....

Males...	1	2	1	2	....	....	....	....	1	1	....	....	8	Dropsy...	1	....	1	..	....	....	....	....	1	....	3	2	....	....	....										
Females	1	....	....	1	....	1	....	....	1	1	....	....	5		....	....	....	..	....	....	..	2	....	....	1	....	2	....	....	..									
Males...	....	....	2	....	1	1	1	....	....	....	3	..	8	Cancer	....	....	....	....	....	....	....	....	2	2	3	1	....	....	....										
Females	1	....	1	....	1	..	1	....	....	1	....	....	5		....	....	....	....	....	....	1	....	2	2	....	....	....	....	....										
Males...	4	3	2	4	2	2	1	3	3	2	6	2	31	Phthisis	5	2	....	....	2	10	4	3	2	4	1	....	....	....	1										
Females	5	1	1	1	2	1	2	5	3	2	5	5	33		2	1	1	....	3	11	6	4	....	3	....	....	....	....	2										
Males...	2	....	2	1	3	....	6	3	2	1	3	1	24	Nervous Diseases, includ. Convulsions	7	2	....	....	1	1	....	3	....	7	2	....	....	....	1										
Females	1	3	4	2	2	1	3	2	....	1	2	4	25		13	4	1	....	1	....	1	....	....	2	1	2	....	....	....										
Males...	....	3	3	1	....	1	....	....	....	....	1	1	10	Heart Diseases	....	....	....	1	....	1	....	....	1	4	2	1	....	....	....										
Females	2	....	2	....	....	....	2	1	1	....	1	2	11		....	....	....	1	..	....	....	1	3	3	2	1	....	....	....										
Males...	1	7	8	12	7	1	....	1	....	3	3	3	46	Pneumonia and Bronchitis	13	6	1	2	2	4	....	2	1	6	4	3	....	....	2										
Females	1	6	4	3	3	1	1	....	....	3	3	3	28		8	3	1	2	....	1	3	1	1	2	2	1	....	....	3										
Males...	....	....	1	....	1	....	2	2	1	....	....	1	8	Enteritis and Gastritis	5	....	..	....	....	1	....	1	1	....	....	....	....	....	....										
Females	2	5	....	1	....	1	3	1	2	..	5	3	22		2	2	1	1	3	2	2	1	....	3	2	1	..	....	2										
Males...	....	1	....	....	....	....	....	....	1	1	2	....	5	Liver Diseases	....	1	....	....	....	....	....	2	....	1	1	....	....	....	....										
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	....	....	1	....	....	....	....	....	....	....	....	....	....	....										
Males...	..	1	1	1	1	....	1	....	1	1	1	....	8	Kidney Diseases	....	....	....	....	....	....	....	1	2	4	1	....	....	....	....										
Females	....	....	.	....	....	..	1	....	1	....	....	....	2		....	....	..	....	....	....	1	1	....	....	....	....	....	....	....										
Females	....	....	....	1	1	2	....	....	....	1	....	1	6	Child Birth	..	....	....	....	..	4	2	..	....	....	....	....	....	....	....										
Males ..	2	1	3	2	2	..	1	1	5	2	4	3	26	Old Age	....	....	....	....	....	....	....	....	....	..	10	14	2	....	....										
Females	5	3	1	1	....	3	2	....	..	2	3	1	21		....	....	....	....	....	....	....	....	....	..	11	8	2	....	....										
Males ..	1	....	....	2	1	1	....	2	1	1	1	..	10	Violent Deaths, Accidents, etc.	....	3	....	....	....	1	3	....	1	2	....	....	....	....	....										
Females	....	..	....	....	1	....	....	....	....	....	....	....	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....										
Males ..	....	....	....	....	1	....	....	....	1	....	....	....	2	Suicide	....	....	....	....	....	....	2	....	....	....	....	....	....	....	....										
Females	....	....	..	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....										
Males...	1	....	3	1	1	1	2	6	3	2	1	2	23	Other diseases and cause not specified.	6	2	2	....	1	2	2	1	2	5	....	....	....	....	....										
Females	2	1	1	....	1	2	1	2	....	3	2	2	17		7	2	....	1	1	2	1	1	1	1	..	....	....	....	....										
Total Males...	19	20	30	33	22	13	22	26	27	22	35	19	288	Total Deaths from all causes...	64	33	17	11	8	22	14	15	13	36	28	21	2	....	4										
Total Females	26	22	19	12	13	16	23	23	19	25	24	27	249		52	34	13	9	16	22	20	12	9	20	18	15	2	....	7										
Grand Total.	45	42	49	45	35	29	45	49	46	47	59	46	537	.... .,.....	116	67	30	20	24	44	34	27	22	56	46	36	4	....	11										

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

OXFORD—Population, 55,176.

SEX.	Months.												CAUSE OF DEATH.	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	...	....	....	1	....	2	1	....	....	....	4	Cholera Infantum.	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	...	....	....	1	...	2	3	....	....	....	6		5	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	1	1	....	....	....	....	1	....	....	....	4	Croup	....	3	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	3	....	....	1	....	....	....	....	....	....	....	....	4		1	1	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	1	....	....	....	5	4	....	....	....	11	Diarrhœal Diseases.. .	6	3	1	....	....	....	....	....	....	....	....	1	....	....	....
Females	.	..	....	....	....	....	1	2	3	1	1	....	8		4	2	....	....	....	....	....	2	....	....	....	....	....	....	....
Males...	4	1	2	2	...	5	4	....	3	2	....	4	27	Diphtheria	1	15	7	3	1	....	..	....	....	....	....	....	....	....	....
Females	4	....	2	2	....	2	1	2	2	....	1	3	19		1	7	5	4	....	2	....	....	....	....	....	....	....	....	....
Males...	1	....	1	...	1	1	1	2	6	1	2	....	16	Typhoid Fever ..	....	1	1	....	2	5	3	3	1	....	....	....	....	....	....
Females	1	....	1	1	1	....	....	1	4	2	6	...	17		....	1	....	....	3	2	4	3	1	2	1	....	....	....	....
Males...	1	....	....	....	....	....	....	....	....	....	....	....	1	Scarlet Fever.....	1	...	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	...	....	....	....	2	....	....	1	1	....	....	4		....	1	2	....	....	....	....	....	....	....	....	1	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	1	....	1	Other Fevers.....	....	...	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	1	....	....	1	1	2	....	....	5		1	....	....	....	....	1	....	1	1	1	...	....	....	....	....
Males...	2	....	....	4	3	....	....	....	....	....	....	....	9	Measles	6	1	1	....	..	1	....	....	....	....	...	....	....	....	....
Females	1	....	....	4	....	....	....	....	....	....	....	....	5		....	4	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	1	....	....	....	....	1	Whooping Cough.	1	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	...	....	....	1	....	1	....	....	....	..	....	2	Rheumatism and Gout	....	....	....	....	1	....	....	....	..	....	1	...	....	....	....
Females	....	....	1	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Males...	4	5	3	3	..	1	2	3	2	4	1	....	28	Anæmia, including Infantile Debility	25	1	....	....	....	....	....	....	1	1	....	....	....	....	....
Females	2	....	4	....	....	2	4	4	3	2	3	1	25		18	2	2	....	....	....	1	1	1	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PERTH—POPULATION, 59,055.

SEX.	MONTHS.												TOTAL.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	1	....	....	....	2	....	2	....	....	....	5	Cholera Infantum.	2	3	....	..	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	1	....	1	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	2	2	....	....	....	....	....	1	....	6	Croup	....	3	2	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	1	....	....	....	....	....	....	....	....	2		..	1	1	....	..	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	2	....	....	3	Diarrhœal Diseases	1	....	....	....	....	....	....	....	....	1	1	....	....	....	....
Females	....	....	2	....	....	1	....	2	3	2	....	....	10		4	2	1	....	....	....	1	....	....	1	....	1	....	....	....
Males	2	1	3	....	....	....	3	....	....	1	....	....	10	Diphtheria	....	7	2	....	....	....	....	1	....	....	....	....	....	....	....
Females	2	2	..	....	1	....	3	....	....	1	....	1	10		....	6	2	2	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	1	....	....	1	2	1	2	2	10	Typhoid Fever	....	....	....	....	3	4	3	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	2	1	....	3		....	....	....	....	....	1	....	1	1	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Scarlet Fever	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	..	1	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Males	....	....	1	1	....	....	....	....	....	....	....	....	2	Measles	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	1	...	1	....	....	....	....	....	....	....	....	....	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	1	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	2	....	....	....	....	....	....	....	....	2	Rheumatism and Gout	....	1	....	....	....	....	....	..	....	1	....	....	..	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	1	3	1	....	2	....	7	4	3	....	....	22	Anæmia, including Infantile Debility.	16	2	1	....	....	....	....	1	....	2	....	....	....	....	....
Females	....	....	1	3	1	3	2	3	....	....	....	2	15		8	....	....	..	....	....	....	2	3	2	....	....	....	....	....

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TABLE D.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PEEL.—Population, 28,793.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	2	2	....	....	....	4	Cholera Infantum.	4	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	....	1	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	2	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	....	....	....	....	1	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	1	....	....	1	....	1	....	3		1	....	1	....	....	....	....	....	....	....	1	....	....	....	....
Males...	....	....	....	....	....	4	1	....	....	1	1	2	9	Diphtheria	1	1	2	2	3	....	....	....	....	....	....	....	....	..	....
Females	....	....	1	1	1	....	....	....	....	1	2	....	6		1	3	....	2	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	1	....	1	....	....	3	Typhoid Fever	....	....	....	....	..	1	....	2	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	1	....	1	2	....	....	5		....	1	2	....	....	2	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	1	....	....	....	....	....	....	..	2		....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	1	....	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	2	....	....	....	....	....	....	....	....	2		....	....	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	...	....	....	....	....	....	....	..	..	....	....	....	....	Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	1	1	....	....	....	....	3		2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	...	1	....	....	....	....	....	....	....	....	....	2	Rheumatism and Gout	....	....	....	....	....	....	....	....	1	....	1	....	....	....	....
Females	....	....	2	....	....	....	....	....	....	....	....	1	3		....	....	....	1	....	....	....	....	....	1	1	....	....	....	....
Males...	2	1	....	1	....	1	1	1	1	....	1	1	10	Anæmia, including Infantile Debility	5	2	....	....	....	....	....	....	....	3	....	....	....	....	....
Females	....	....	1	....	....	1	....	....	2	1	2	....	7		6	....	...	..	...	....	....	....	....	1	....	....	....	....	...

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TABLE D.—COUNTIES.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PETERBOROUGH—Population, 33,270.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	...	1	....	....	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	..	....	....	....	....
Males	....	..	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	..	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	...	....	1	....	....	....	2	3	....	1	....	1	8	Diarrhœal Diseases	6	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	....	5	1	1	....	....	8		2	4	....	....	....	....	....	....	....	1	1	....	....	....	....
Males	1	....	3	....	....	1	....	2	....	1	....	1	9	Diphtheria	....	1	7	1	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	1	2	....	1	...	1	....	1	....	2	10		2	2	2	1	1	2	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	1	....	1	Typhoid Fever	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	4	1	....	6		....	....	....	....	1	1	1	1	2	.	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	.	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	....	....	1	....	....	....	2	Other Fevers	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	1	1	....	....	....	....	....	....	....	....	3	Measles	1	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	..	....	....	....	....	....	1		....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Females	1	....	....	....	....	....	..	....	....	....	....	....	1		....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Males	1	1	3	4	....	4	4	3	2	1	1	1	25	Anæmia, including Infantile Debility	21	4	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	2	1	2	1	1	....	4	1	....	2	2	17		16	1	..	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PRESCOTT AND RUSSELL.—Population, 41,826.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	..	...	....	....	....	....	....	....	....	....	....	....	....	...
Females	...	....	....	....	....	....	....	1	..	....	....	..	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	1	2	1	2	....	....	2	2	....	2	....	14	Croup.....	5	9	....	....	...	....	....	....	....	....	....	....	....	....	....
Females	1	1	...	....	1	1	2	2	..	1	....	1	10		4	6	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	3	..	1	1	1	....	....	....	7	Diarrhœal Diseases.....	3	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	2	1	....	3	3	....	3	....	1	....	....	13		8	4	....	....	....	..	1	....	....	....	....	....	....	....	....
Males..	....	1	2	4	2	8	4	1	1	....	..	2	25	Diphtheria.....	2	10	10	3	....	....	....	....	....	....	....	....	....	....	....
Females	3	1	....	....	15	3	2	2	3	....	....	2	31		6	19	6	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	....	....	....	....	....	1	1	....	1	4	Typhoid Fever . .	....	....	....	....	1	1	1	1	....	....	....	....	....	....	....
Females	....	3	....	..	....	....	....	....	3	1	1	....	8		...	....	....	1	1	4	1	....	1	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	....	....	....	....	1	Scarlet Fever.....	....	1	....	..	..	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	..	....	....	....	....	....	....	....		....	....	....	..	...	....	....	....	....	....	....	....	....	...	....
Males...	..	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers.....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	....	....	2		...	....	....	....	....	1	..	1	....	....	..	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	..	....	....	....	....	...	....	....
Females	1	1	...	....	....	....	....	....	....	....	....	....	2		1	....	1	.	..	...	....	..	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	1	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	..	....	....	1	....	....	1	1	1	...	4	Rheumatism and Gout	....	....	1	....	....	....	....	....	1	....	2	....	....	....	....
Females	....	....	....	....	.. .	1	....	....	1	....	..	...	2		....	1	....	....	...	1	..	....	....	....	....	....	....	....	....
Males...	8	5	4	3	9	1	9	12	10	5	4	3	73	Anæmia, including Infantile Debility	60	3	2	2	1	1	....	2	....	2	....	....	....	....	....
Females	9	2	9	5	4	4	5	11	1	6	3	1	60		42	9	2	....	1	1	....	....	3	2	....	....	....	....	....

Males...	....	....	....	....	2	....	....	1	....	....	....	....	3	Dropsy	....	1	....	....	....	....	....	....	....	1	....	3	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	1	2		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	1	3	....	1	....	1	2	....	....	....	1	9	Cancer	....	....	....	1	....	....	6	....	1	....	1	....	....	....	....	....	....
Females	....	....	....	....	1	...	2	2	....	....	1	....	6		....	....	....	....	1	....	....	1	2	1	....	1	....	....	....	....	....
Males...	....	3	2	2	2	2	1	3	2	2	1	3	23	Phthisis	1	1	2	1	2	8	2	....	3	3	....	....	....	....	....	....	....
Females	2	10	1	3	...	2	4	4	4	....	2	3	35		....	2	....	4	5	11	5	4	4	...	....	....	....	....	....	....	....
Males ..	....	2	1	....	3	3	....	....	7	2	1	2	21	Nervous Diseases, including Convulsions	9	4	...	....	1	2	1	1	2	1	....	....	....	....	....	....	....
Females	1	....	1	2	1	2	....	....	....	....	1	...	8		2	....	....	....	....	3	1	1	....	1	....	....	....	....	....	....	....
Males...	....	1	....	....	....	1	4	1	....	2	1	2	12	Heart Diseases...	...	1	....	....	....	..	....	3	1	5	2	....	....	....	....	....	....
Females	...	1	2	....	....	4	....	1	....	....	....	1	9		....	....	....	....	....	....	1	3	1	3	1	....	....	....	....	....	....
Males...	1	....	....	1	....	....	....	....	....	....	..	2	4	Pneumonia and Bronchitis	....	....	1	....	....	1	....	2	....	....	....	....	....	....	....	....	....
Females	..	1	..	1	1	....	1	1	....	....	....	4	9		1	1	2	1	3	....	....	1	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	3	..	....	....	1	....	....	....	4	Enteritis and Gastritis	....	....	....	....	....	3	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	2	....	1	....	....	1	..	....	....	4		....	....	....	....	....	2	....	....	1	....	1	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	1	....	....	....	2	Liver Diseases....	....	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	....
Females	...	....	1	....	....	..	....	....	....	....	....	.	1		..	...	1	....	....	...	....	....	....	....	....	....	....	....	....	....	....
Males. .	....	....	....	....	....	....	1	....	....	....	..	1	2	Kidney Diseases..	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	1	....	1	1	....	1	....	5		....	...	....	....	....	....	....	1	2	1	....	....	....	....	....	....	....
Females	2	1	...	1	1	....	....	1	....	....	1	3	10	Child Birth	....	..	....	....	....	....	7	3	....	....	....	....	....	....	....	....	....
Males. .	3	3	3	3	3	2	2	3	1	...	3	1	27	Old Age...	....	....	....	....	....	....	....	....	....	....	8	13	5	1	...	....	....
Females	2	3	2	2	1	5	3	2	2	2	2	4	30		....	....	....	....	....	....	....	....	....	....	14	10	5	1	....	....	....
Males...	....	1	...	....	1	2	....	2	....	1	..	....	7	Violent Deaths, Accidents, etc..	....	...	....	3	....	1	1	...	1	....	1	....	....	....	....	....	....
Females	....	...	....	....	1	....	1	...	..	....	2	....	4		....	1	....	....	....	....	....	2	....	....	1	...	....	....	....	....	....
Males...	....	....	....	....	1	....	1	....	....	....	....	....	2	Suicide...	....	....	....	....	....	....	....	....	2	.	....	....	....	....	....	....	....
Females	....	....	....	..	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Males...	5	1	3	1	2	3	1	....	....	2	....	2	20	Other diseases and cause not specified.	14	3	2	....	....	....	....	....	....	....	....	....	....	....	....	....	6
Females	2	5	6	3	1	2	1	1	1	4	....	4	30		10	1	3	1	1	2	....	3	....	3	....	....	....	....	....	....	....
Total Males...	20	19	21	17	31	23	25	28	28	16	13	20	264	Total deaths from all causes.....	94	36	18	10	6	18	12	9	11	12	18	13	5	1	1		
Total Females	23	31	24	20	30	29	21	32	18	17	15	21	284		77	45	15	7	12	25	17	20	15	11	17	11	5	1	6		
Grand Total.	43	50	45	37	64	52	46	60	46	33	28	44	548	....	171	81	33	17	18	43	29	29	26	23	35	24	10	2	7		

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

PRINCE EDWARD.—Population, 23,149.

SEX.	MONTHS.													CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	1	....	....	....	..	....	....	1	Cholera Infantum.	1	....	....	....	..	....	....	....	....	....	....	....	....	..	....
Females	....	....	..	..	....	....	....	1	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	2	....	....	....	....	....	....	....	....	2	Croup	....	2	....	....	....	..	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	..	....	1	....	....	..	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	1	....	....	....	....	....	....	1	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	....	....	2		1	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Males...	1	....	....	....	3	....	....	....	....	2	2	....	8	Diphtheria	2	....	2	4	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	...	....	2	....	....	....	1	4	....	....	8		....	4	2	1	2	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	2	1	....	....	....	....	....	1	....	4	Typhoid Fever	....	....	....	....	....	2	1	....	1	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	1	....	1	3		....	2	....	....	1	....	..	....	....	....	....	....	....	....	....
Males..	....	....	..	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	2	....	....	....	....	....	....	....	....	....	....	2	Measles	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	1	....	....	....	....	....	....	....	....	....	2		....	1	....	1	....	....	....	....	....	....	....	....	....	....	....
Males...	....	.	....	....	....	....	....	..	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	..	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	..	....	..	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	...	1	1	....	....	....	....	4	1	1	1	9	Anæmia, including Infantile Debility	6	2	...	1	....	....	....	....	....	....	....	....	....	....	....
Females	3	1	3	1	1	3	....	....	2	....	....	....	14		11	1	..	....	....	1	....	....	....	....	1	....	....	....	....

Males...	....	....	....	....	....	1	1	....	....	....	....	....	2	Dropsy	....	....	....	....	....	....	...	....	....	1	1	....	....	. ..	....
Females	....	....	...	....	....	....	1	1	1	....	1	....	4		....	....	....	....	....	1	1	...	....	....	2	....	....	....	....
Males...	1	....	....	....	....	....	....	....	....	....	1	....	2	Cancer	....	..	....	....	....	....	....	....	....	....	2	....	....	....	....
Females	....	1	1	....	....	....	....	....	1	....	....	1	4		.	..	....	....	..	....	1	1	....	1	1	....	....	....	....
Males...	1	1	4	....	2	....	1	2	1	2	3	....	17	Phthisis	....	1	...	.	2	5	3	2	1	2	1	....	....	....	....
Females	2	3	....	2	1	1	2	1	3	1	2	4	22		.	....	1	1	6	7	1	3	1	2	...	..	....	....	....
Males...	1	3	2	1	1	....	....	2	2	1	1	2	16	Nervous Diseases, includ. Convulsions	3	....	....	....	..	4	1	...	1	2	4	1	....	....	....
Females	2	1	3	....	1	....	1	....	....	1	1	...	10		....	....	....	1	1	1	1	1	...	2	3	....	....	....	....
Males...	2	....	..	2	....	2	....	2	2	1	...	....	11	Heart Diseases	..	....	..	..	....	1	1	....	1	5	3	....	....	....	....
Females	....	...	....	....	....	1	....	1	....	....	..	....	2		...	....	....	....	....	1	....	....	....	....	...	1	...	....	....
Males...	2	3	....	2	3	2	....	...	....	1	1	1	15	Pneumonia and Bronchitis	2	..	1	1	....	1	2	1	1	2	3	1	..	....	....
Females	2	2	1	2	1	1	....	....	....	2	1	....	12		....	2	....	1	...	....	1	1	....	4	1	2	...	....	....
Males...	....	....	1	..	....	1	....	....	1	1	1	...	5	Enteritis and Gastritis	1	....	...	....	....	....	2	....	....	....	2	....	....	....	....
Females	....	....	....	....	....	1	1	1	....	1	....	....	4		.	....	...	1	...	....	1	....	....	2	...	..	....	....	....
Males...	....	....	....	....	....	...	....	....	....	1	1	....	2	Liver Diseases	....	.	....	..	....	...	1	1	....	....	....	....	....	....	....
Females	....	..	....	....	....	....	....	1	1	....	1	....	3		....	....	....	....	....	..	1	1	....	1	....	....	....	....	....
Males ..	..	....	....	....	...	..	1	....	1	....	1	....	3	Kidney Diseases	..	....	....	....	....	1	....	2	....	....	....	...	...	....	....
Females	....	....	....	..	....	....	....	1	....	1	..	....	2		...	....	....	..	....	..	1	....	1	....	....	....	....	....	....
Females	....	1	....	1	....	....	....	....	....	....	....	....	2	Child Birth	....	....	....	....	....	1	1	....	....	....	....	....	....	....	..
Males...	2	1	2	2	....	2	2	....	....	1	....	2	14	Old Age	....	..	....	....	....	....	....	....	....	....	8	4	2	....	..
Females	4	1	3	4	1	2	....	1	1	3	2	2	24		....	..	....	....	....	....	....	....	....	....	12	9	3	....	....
Males...	....	....	....	....	....	....	....	1	....	1	....	3	5	Violent Deaths, Accidents, etc	...	....	....	....	1	2	2	....	....	....	....	....	....	....	....
Females	1	..	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	..	..	...	....	1	..	...
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Suicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	..	3	2	1	1	....	....	2	3	....	....	....	12	Other diseases and cause not specified.	4	1	....	....	....	1	....	1	4	1	....	....	....	....	....
Females	1	....	3	2	....	1	....	1	1	2	...	....	11		1	2	2	2	..	....	3	....	....	....	1	....	....	....	....
Total Males...	10	13	12	13	11	10	5	9	11	12	13	9	131	Total Deaths from all causes	21	6	3	7	4	17	11	7	9	13	25	6	2	....	..
Total Females	17	12	15	12	8	10	6	9	12	17	8	8	131		16	12	5	8	10	12	12	7	2	14	20	12	4	....	..
Grand Total.	27	25	27	25	19	20	11	18	26	29	21	17	265	.....	37	18	8	15	14	29	23	14	11	27	45	18	6	....	....

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

RENFREW—Population, 44,271.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	1	....	....	2	2	....	1	....	....	6	Cholera Infantum.	4	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	1	....	2	1	....	2	....	....	7		6	1	....	....	....	....	....	....	....	....	....	....	....	..	....
Males	....	....	1	....	1	....	..	....	....	....	1	....	3	Croup.....	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		1	....	..	....	....	....	....	....	....	....	....	....	....	..	....
Males	1	....	....	2	....	1	1	1	1	1	....	....	8	Diarrhœal Diseases.....	4	2	1	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	1	2	3	2	....	....	....	2	10		8	....	1	....	....	....	....	....	....	1	....	....	....	....	....
Males	....	2	....	....	1	....	....	1	....	....	....	....	4	Diphtheria.....	....	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	1	....	....	....	....	....	....	....	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	2	....	1	....	....	3	Typhoid Fever...	..	....	1	1	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	..	....	....	....	....	....	....	2	1	....	3		....	..	....	2	....	1	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	....	....	....	....	....	....	....	....	1	Scarlet Fever.....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	2	....	2	....	....	....	....	....	4	Other Fevers.	1	1	....	2	....	....	..	....	..	..	....	....	....	....	....
Females	...	....	....	...	....	1	....	....	1	....	....	....	2		....	....	....	1	1	....	...	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	...	....	....	....	....	..	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	...	....	....	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	...	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	1	1	....	....	....	....	....	1	....	3		....	..	....	3	....	....	....	....	....	....	....	....	....	....	....
Males	3	2	1	5	2	2	2	1	....	2	3	....	23	Anæmia, including Infantile Debility	16	6	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	4	3	2	2	3	1	...	2	1	....	...	19		12	2	2	....	....	....	2	....	1	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

SIMCOE.—POPULATION, 82,394.

SEX.	MONTHS.													CAUSE OF DEATH	AGES.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	....	....	....	....	....	1	3	....	1	....	....	5	Cholera Infantum.	4	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	2	....	....	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	1	....	....	....	....	....	....	....	....	....	....	1	Croup	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	....	1	....	....	....	....	....	....	....	2	5		....	3	2	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	1	....	....	....	1	1	1	....	....	....	4	Diarrhœal Diseases	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	....	2	....	2	1	....	....	1	7		1	2	....	....	....	....	....	....	....	....	4	....	....	....	....
Males..	....	....	5	2	3	1	3	....	1	1	3	6	25	Diphtheria	1	9	8	6	....	1	....	....	....	....	....	....	....	....	....
Females	2	7	3	1	1	....	1	....	....	....	2	4	21		1	6	10	1	1	1	....	1	....	....	....	....	....	....	....
Males..	....	....	....	....	1	2	..	1	2	2	....	....	8	Typhoid Fever	....	1	....	1	1	3	....	....	....	2	....	....	....	....	....
Females	1	1	....	....	1	....	....	....	1	1	....	....	5		....	....	..	....	....	3	....	1	1	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	1	....	....	....	....	1	Other Fevers	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	..	....	1		....	....	....	....	1	.	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	1	1	1	....	1	....	1	....	2	1	....	1	9	Whooping Cough.	7	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	1	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	1	....	....	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	..	....	....	....	....	....	....	1	1	....	....	2		....	1	....	....	....	....	1	....	....	....	....	....	....	....	....
Males..	8	2	2	2	4	1	3	1	3	1	4	6	37	Anæmia, including Infantile Debility.	28	6	....	....	....	....	....	....	1	2	....	....	....	....	....
Females	4	6	1	3	4	1	1	2	2	....	2	....	26		18	3	....	..	....	....	1	2	....	2	....	....	....	....	....

Males...	....	....	....	1	....	1	....	....	....	....	....	....	2	Dropsy	....	....	....	....	....	....	....	1	....	1	....	..	....	....	....
Females	1	....	1	1	1	1	....	...	2	....	....	....	7		1	....	..	....	....	....	...	2	1	3	....	....	....	....	....
Males...	....	..	1	....	....	....	....	....	....	....	....	1	2	Cancer	..	....	..	....	....	....	1	....	....	....	1	....	....	....	....
Females	....	...	2	....	1	1	....	1	....	....	....	1	6		..	....	....	....	....	....	1	2	2	1	....	....	....	....	....
Males...	....	2	5	1	2	1	3	....	2	3	2	2	23	Phthisis	....	1	...	....	1	9	6	2	....	4	....	....	..	....	....
Females	1	6	5	2	2	9	2	2	2	3	2	3	39		1	....	2	1	9	15	5	....	3	1	....	....	....	....	2
Males..	7	4	6	5	6	3	4	6	5	1	1	....	48	Nervous Diseases, including Convulsions	19	8	1	2	....	2	5	2	5	1	2	1	..	...	....
Females	1	2	1	2	1	....	1	1	3	1	4	2	19		5	4	2	1	....	1	1	1	2	..	2	....	....	....	....
Males...	1	1	3	3	4	....	2	3	1	....	2	1	21	Heart Diseases	....	1	1	1	2	1	..	....	3	7	4	1	....	....	....
Females	1	3	....	1	1	1	1	....	1	3	1	4	17		....	...	....	2	2	3	1	....	3	5	1	....	...	....	...
Males...	5	6	5	8	8	3	....	....	1	6	2	....	44	Pneumonia and Bronchitis	10	4	1	2	1	3	3	3	5	5	6	1	....	....	....
Females	7	2	8	5	4	4	....	3	1	2	1	3	40		4	5	1	1	3	4	5	1	6	3	7	...	....	....	...
Males...	1	5	1	1	....	....	1	....	1	1	2	2	15	Enteritis and Gastritis	1	1	....	1	1	3	2	2	....	2	2	...	....	..	....
Females	2	2	1	...	1	....	2	1	..	....	2	1	12		....	1	...	....	....	....	..	2	2	4	2	....	....	....	1
Males...	...	1	1	....	1	2	....	...	2	..	....	1	8	Liver Diseases	....	1	....	....	....	1	....	1	2	2	1	....	....	....	....
Female	....	1	....	..	...	....	....	1	....	....	....	....	2		....	1	....	....	....	....	....	....	....	...	1	....	....	....	....
Males...	3	3	1	2	....	1	....	1	....	2	1	1	15	Kidney Diseases	....	....	....	1	....	1	...	2	4	3	3	1	....	....	....
Females	....	....	....	1	....	1	....	....	2	...	....	1	5		..	....	1	....	....	....	1	1	...	....	1	1	....	....	....
Females	....	1	1	1	2	1	....	...	....	1	....	..	7	Child Birth	....	....	...	....	...	3	4	....	....	....	....	....	....	....	....
Males...	8	5	3	5	2	1	....	4	4	1	2	1	36	Old Age	....	...	....	....	....	....	....	....	....	....	16	16	3	1	....
Females	7	3	1	5	3	3	5	2	2	4	5	5	45		....	...	...	..	...	....	....	....	....	...	21	18	6	..	....
Males...	1	....	8	2	1	....	4	3	1	1	....	1	22	Violent Deaths, Accidents, etc..	1	4	1	1	....	4	2	5	....	1	...	2	..	....	1
Females	....	2	1	...	...	....	1		1	...	1	....	6		1	2	1	....	....	....	1	....	....	....	1	....	....	....	..
Males...	...	....	..	1	....	....	....	....	....	1	..	..	2	Suicide	....	....	....	....	...	....	....	....	1	....	1	....	....	....	....
Females	....	..	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	...	....	...	....	...
Males...	1	1	....	1	1	2	1	1	3	4	4	2	21	Other diseases and cause not specified.	4	2	1	2	3	4	2	1	...	1	....	...	....	....	1
Females	4	4	1	3	4	2	2	2	2	2	1	1	28		5	4	3	1	3	3	3	3	2	1	....	....	....	....	....
Total Males...	36	33	43	34	34	18	24	25	29	26	23	25	350	Total Deaths from all causes. . . .	77	44	14	17	10	32	21	19	21	31	36	22	3	1	2
Total Females	33	41	26	27	26	27	17	19	21	18	21	29	305		40	34	22	7	19	33	24	16	22	20	40	19	6	....	3
Grand Total.	69	74	69	61	60	45	41	44	50	44	44	54	655	....	117	78	36	24	29	65	45	35	43	51	76	41	9	1	5

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

STORMONT, DUNDAS AND GLENGARRY.—POPULATION, 72,618.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	1	....	....	....	1	....	....	3	1	....	....	....	6	Cholera Infantum.	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	5	....	....	....	....	6		5	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	....	....	5	6	Croup	....	2	4	....	..	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	1	....	....	....	....	....	1	1	4		....	3	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	1	....	..	....	1	....	5	6	....	....	....	14	Diarrhœal Diseases	6	4	....	....	....	..	....	....	1	1	1	1	..	....	....
Females	....	....	1	1	....	1	3	2	5	....	3	....	16		9	3	....	....	1	1	....	....	....	..	1	1	....	....	....
Males...	...	3	1	1	1	1	3	4	4	4	....	1	23	Diphtheria	....	11	7	3	1	1	....	....	....	....	....	....	....	....	....
Females	1	6	2	1	5	....	4	....	3	2	....	2	26		3	2	12	5	2	2	....	....	....	....	....	....	....	....	....
Males...	....	....	..	....	...	..	1	...	1	....	....	1	3	Typhoid Fever	....	....	1	..	....	1	1	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1		....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Males...	....	..	..	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	....	....	....	....	....	....	....	....	1	Measles	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	....	....	1		....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Males...	....	....	..	....	....	....	....	....	....	....	....	....	....	Whooping Cough	....	....	...	..	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	....	....	..	....	1	....	....	....	....	....	....	3	Rheumatism and Gout	..	....	....	....	....	1	....	....	1	....	....	1	....	....	....
Females	....	....	....	1	....	....	1	....	....	....	....	1	3		....	....	....	....	....	....	....	....	....	1	1	....	....	....	1
Males...	1	2	1	3	1	3	1	5	2	1	....	3	23	Anæmia, including Infantile Debility.	19	2	....	....	....	....	....	....	..	1	....	....	....	....	1
Females	3	1	2	5	1	3	2	4	3	1	....	....	25		12	5	....	....	....	....	....	2	2	3	....	....	....	....	1

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

VICTORIA.—POPULATION, 37,021.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	1	....	....	....	....	1	1	....	....	....	3	Cholera Infantum.	2	..	....	1	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	3	....	....	....	....	3		3	....	....	....	....	....	....	....	....	....	..	....	....	....	....
Males...	....	....	....	1	..	....	....	....	1	....	....	....	2	Croup	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	..	....	....	1	.	....	2	1	2	....	6	Diarrhœal Diseases..	1	2	....	1	....	....	....	....	....	1	....	1	....	....	.
Females	....	1	....	..	.	....	....	3	2	....	....	....	6		1	3	....	....	....	....	....	....	1	....	1	..	..	....	....
Males...	1	...	1	1	....	1	....	....	....	1	....	....	5	Diphtheria	....	1	2	1	1	....	....	....	....	..	....	....	....	....	....
Females	....	...	1	....	...	1	....	....	....	2	1	....	5			2	1	....	2	...	....	....	....	....	....	....	....	....	....
Males...	....	...	3	....	....	....	....	....	....	....	....	....	3	Typhoid Fever ...	....	....	....	2	....	....	....	....	....	1	..	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	1	....	....	....	....	....	....	....	2	Scarlet Fever.....	....	2	....	....	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	..	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	.	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	....	....	....	....	1	....	....	....	....	....	....	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	2	....	....	2	....	....	4	Whooping Cough.	1	3	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	1	....	....	....	..	....	....	....	....	....	....	3	Rheumatism and Gout.	....	....	....	....	....	1	....	....	....	....	1	1	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ma'es...	2	2	1	1	1	....	....	....	1	....	....	....	8	Anæmia, including Infantile Debility	7	....	....	....	....	1	..	....	....	....	....	....	....	....	....
Females	....	2	2	2	....	1	1	....	1	...	2	..	11		9	....	....	....	....	1	....	....	1	....	....	....	....	....	....

Males...					1		1					1	3	Dropsy									1	2							
Females				2			1						3							1			1	1							
Males...					1								1	Cancer											1						
Females		1					1	1	1		1	2	7								1	2	1	2		1					
Males...		1			1			2	2	3		4	13	Phthisis		1				4		2	3	1	2						
Females	2	1	2	4	4		2	1	1	2			19			1			3	4	6	3		2						
Males...	2			3	2	2	1	2	1	1	2		16	Nervous Diseases, including Convulsions	3	3	2		2	1	1			1	2	1				
Females		1		6	1	1	1	2	1	1		1	15		2	5	1			3			3	1						
Males...	1				1	1			3	1			7	Heart Diseases						2	1			3	1					
Females	1	1	1	2				2	1			1	9					1	1		1	1		4	1					
Males...	1	3	4	1			1			2	3	4	19	Pneumonia and Bronchitis	4	3				3		1	2	1	4	1				
Females	1	3	6			1				2	4	1	18		1	3			1	1	3			1	7	1				
Males...		2	1		1		1			1	1	1	8	Enteritis and Gastritis	1	1		1		2		1	1		1					
Females	1		1		1		2		1		1	4	11		1			1		1			4	3		1				
Males...			1				2		1				4	Liver Diseases	2									2						
Females				1			1					1	3		1								1	1						
Males...	2			1									3	Kidney Diseases						2	1									
Females								1					1												1					
Females	1		1	1			1					1	5	Child Birth						2	2	1								
Males...	1	3	1	2	1	1	1	3	3			3	19	Old Age											9	9	1			
Females	1	2	2	2		2		4	4		1		18												1	13	3	1		
Males...						1	1		1	1		1	5	Violent Deaths, Accidents, etc.			3			1			1							
Females					1								1				1													
Males...														Suicide																
Females																														
Males...	1		1			1	2	1	2		2		10	Other diseases and cause not specified	9	1														
Females					1		1	1			1		4		3									1						
Total Males...	13	12	15	10	10	8	12	9	18	13	10	14	144	Total deaths from all causes	30	18	8	6	3	17	3	4	8	12	20	14	1			
Total Females	7	13	16	20	8	7	11	19	12	7	11	11	142		21	16	4	2	7	13	13	7	12	16	10	17	3	1		
Grand Total ..	20	25	31	30	18	15	23	28	30	20	21	25	286		51	34	12	8	10	30	16	11	20	28	30	31	4	1		

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

WATERLOO.—POPULATION, 47,008.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	1	....	....	....	....	1	7	4	2	....	....	15	Cholera Infantum.	12	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	....	....	....	....	1	4	3	1	....	....	11		9	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	1	....	3	....	1	....	3	....	....	....	1	2	11	Croup	3	4	3	1	....	....	....	....	....	....	....	....	....	....	....
Females	1	2	....	1	1	....	1	....	....	....	2	1	9		....	6	2	1	....	....	....	....	....	....	....	....	....	....	....
Males..	..	....	....	....	....	....	6	9	5	1	....	1	22	Diarrhœal Diseases	11	7	..	....	....	....	1	1	....	....	2	....	....	....	..
Females	....	....	....	....	....	....	2	5	7	1	....	....	15		9	3	....	1	....	....	....	....	....	2	....	....	....	....	....
Males..	1	1	2	....	1	1	....	....	....	1	....	....	7	Diphtheria	1	2	3	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	1	1	....	....	....	....	....	1	....	....	3	6		....	4	2	....	....	..	....	....	....	....	....	....	....	....	....
Males..	....	....	1	....	....	....	....	....	2	1	....	1	5	Typhoid Fever	....	....	....	..	2	1	1	....	1	..	....	....	....	....	....
Females	1	1	....	....	....	....	....	2	2	5	....	....	11		....	....	....	2	2	4	1	2	....	....	....	....	....	....	....
Males..	....	....	....	1	....	..	....	....	....	....	....	2	3	Scarlet Fever	....	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....			....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	1	....	....	....	....	....	....	....	....	....	....	....	1	Other Fevers	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	...	...	....	1	....	....	1	....	....	....	....	....	2		....	....	1	....	....	..	....	1	....	....	....	....	....	....	....
Males..	....	....	....	....	3	1	2	....	....	....	....	....	6	Measles	1	3	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	...	1	1	1	....	....	1	....	....	....	4		1	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	1	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	..	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	1	1	....	....	....	....	....	..	....	1	....	3	Rheumatism and Gout	....	....	....	1	1	....	....	1	....	....	....	....	....	....	....
Females	1	1	...	1	....	1	....	1	...	....	2	....	7		....	....	1	....	1	1	...	...	2	1	1	....	....	....	....
Males .	1	3	5	1	1	1	3	3	5	3	2	3	31	Anæmia, including Infantile Debility	28	....	1	....	....	....	....	....	1	1	....	....	....	....	....
Females	2	...	3	2	3	2	4	4	4	4	1	3	32		28	2	....	....	....	2	..	....	....	....	....	....	....	....	....

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Males..	....	1	2	1	1	1	....	....	....	....	....	....	6	Dropsy	....	....	....	1	....	....	....	....	2	1	1	1	....	....	....
Females	2	....	1	....	....	1	....	....	1	1	....	2	8		....	1	1	....	....	1	2	....	1	....	1	1	....	....	....
Males.	....	....	1	....	1	....	....	1	....	1	2	....	6	Cancer	....	....	....	....	....	....	....	....	4	....	2	....	....	....	....
Females	2	....	2	1	2	....	3	....	2	....	....	1	15		....	....	....	....	....	....	2	2	5	2	2	....	....	....	....
Males..	3	5	3	1	1	2	3	2	3	2	2	1	28	Phthisis	4	....	....	....	2	7	4	5	3	1	2	....	....	....	....
Females	4	4	2	1	3	3	1	2	3	2	2	3	30		2	3	1	....	3	12	5	3	1	....	....	....	....	....	....
Males..	7	1	3	2	5	2	2	3	2	4	2	1	34	Nervous Diseases,	15	10	..	....	....	....	1	4	....	2	2	....	....	....	....
Females	3	2	2	2	8	2	2	1	3	3	3	4	35	includ. Convulsions	11	10	4	....	2	2	....	....	2	2	2	....	....	....	....
Males..	....	2	3	2	1	2	5	4	2	4	2	....	27	Heart Diseases...	1	1	....	2	....	....	1	1	2	7	9	2	1	....	....
Females	2	2	3	5	1	....	1	3	1	..	1	2	21		2	1	....	....	1	1	....	....	4	5	6	1	....	....	....
Males..	1	....	5	3	8	2	4	1	2	5	1	5	37	Pneumonia and	10	5	2	1	....	2	....	3	4	7	2	1	....	....	....
Females	2	1	7	3	4	3	5	....	....	4	4	1	34	Bronchitis	5	10	1	1	1	1	1	1	....	6	4	2	1	....	....
Males..	....	3	2	1	2	1	1	....	3	1	....	5	19	Enteritis and	3	4	1	1	1	1	1	1	1	4	....	....	1	....	....
Females	....	1	1	....	....	1	5	1	....	2	....	2	13	Gastritis	1	....	....	1	....	2	2	1	3	2	....	....	1	....	....
Males..	....	....	1	....	1	....	....	....	....	....	....	....	2	Liver Diseases ...	....	....	....	....	....	....	....	1	1	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	2	....	....	3		....	....	....	....	....	....	....	....	1	1	1	....	....	....	....
Males..	1	1	1	....	....	..	1	1	....	1	1	....	7	Kidney Diseases..	....	....	....	....	1	1	2	1	....	1	1	....	....	....	....
Females	1	....	1	....	1	1	1	1	....	....	1	....	7		..	....	....	2	....	1	....	....	1	3	....	....	....	....	....
Females	....	1	1	....	1	....	1	....	....	....	....	2	6	Child Birth	....	....	....	....	....	1	4	....	1	....	....	....	....	....	....
Males..	5	2	3	4	5	3	8	2	3	5	4	5	49	Old Age	....	....	....	....	....	....	....	....	....	....	31	11	7	....	....
Females	3	3	3	4	5	....	1	1	3	3	2	2	30		....	....	....	....	....	....	....	....	....	....	12	9	9	....	....
Males..	1	3	1	....	1	....	....	....	2	4	2	....	14	Violent Deaths,	....	2	..	1	4	....	2	1	2	1	1	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	2	1	4	Accidents, etc..	....	....	1	1	1	1	....	....	....	....	....	....	....	....	....
Males..	....	1	....	....	1	....	....	....	....	....	....	....	2	Suicide.....	....	....	..	..	....	....	....	1	1	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	5	....	....	1	1	2	3	1	1	....	1	2	17	Other diseases and	7	....	1	1	1	1	....	3	1	2	....	....	..	....	....
Females	2	1	2	1	1	2	1	....	1	..	....	2	13	cause not specified.	5	1	1	....	....	....	1	2	2	1	..	....	....	....	....
Total Males..	27	25	37	17	34	18	42	34	35	35	21	28	353	Total Deaths from all causes	97	43	14	9	12	15	14	23	22	27	53	15	9	....	....
Total Females	27	21	29	24	31	17	31	25	32	29	20	29	315		74	45	16	9	11	29	18	12	23	25	29	13	11	....	....
Grand Total.	54	46	66	41	65	35	73	59	67	64	41	57	668	.. ..	171	88	30	18	23	44	32	35	45	52	82	28	20	....	....

TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

WELLAND.—POPULATION, 34,948.

SEX.	MONTHS.													CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	1	5	2	....	....	....	8	Cholera Infantum.	7	1	....	....	...	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	5	1	....	....	....	7		6	1	....	....	...	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	1	1	....	2	Croup	...	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	..	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	...	....	....	....	....	....	....	....	....	....	....	1	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	....	....	1	..	....	....
Females	....	....	..	....	...	....	1	1	....	....	....	....	2		....	....	....	....	....	....	....	....	....	2	....	....	....	....	....
Males...	....	....	1	1	1	1	....	....	1	1	1	2	9	Diphtheria.	2	4	1	2	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	2	....	...	....	....	...	2	....	1	2	8		....	3	4	1	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	2	....	....	1	....	....	2	1	....	....	....	6	Typhoid Fever ...	1	....	....	....	....	3	1	1	...	....	....	....	....	....	....
Females	....	..	...	....	....	....	....	....	1	...	1	1	3		....	....	....	1	....	....	1	....	1	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	..	....	....	....	..	..	....	....	....	....	....	....	....	..
Females	....	....	..	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	....	....	....	....	....	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	...	....	2	...	....	....	....	...	....	3	Measles	2	....	1	....	....	....	....	....	....	..	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	..	....	1	....	....	....	....	1	....	....	2	Whooping Cough.	1	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	...	3	1	....	....	....	....	2	....	1	....	7		3	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	..	....	....	Rheumatism and Gout	....	...	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	...	....	...	....	....	....	....	1	..	....	....	2		....	....	....	..	....	....	....	....	....	1	1	..	....	..	....
Males...	3	....	1	....	1	1	1	2	3	1	....	1	14	Anæmia, including Infantile Debility	9	1	....	..	....	1	....	....	1	1	1	....	....	....	....
Females	....	2	....	1	1	1	2	2	....	....	1	1	11		5	3	1	....	....	2	....	....	....	....	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

WELLINGTON—Population, 72,808.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	.. .	....	....	....	....	....	.. ..	1	....	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	....	....	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	2	2	....	...	1	....	....	....	....	....	....	2	7	Croup	....	5	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	1	1	....	....	....	....	....	....	....	....	3		....	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	..	....	....	....	....	....	....	3	2	2	1	....	8	Diarrhœal Diseases	5	2	....	...	....	....	....	....	....	....	1	....	....	....	....
Females	..	..	....	....	....	....	....	6	1	....	....	....	7		5	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	3	2	1	1	1	1	2	....	2	....	4	2	19	Diphtheria	2	7	4	3	1	2	....	....	....	....	....	....	....	....	....
Females	3	3	....	3	2	1	1	....	1	....	2	....	16		1	7	4	4	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	1	....	....	....	1	2	Typhoid Fever ...	....	....	....	....	1	1	....	....	....	1	....	....	....	....	....
Females	....	1	....	....	1	....	....	2	2	1	1	....	8		....	....	....	1	2	2	2	1	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	1	2		....	....	1	....	1	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	...	....	....	....	....	....	....	....	....	1	1	Other Fevers.....	....	....	....	....	....	..	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	..	....	....	....	....	....	....	1	....	....	1	Measles	1	....	....	....	..	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	2	....	....	....	....	....	....	....	2		....	....	....	1	....	1	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	1	....	2	....	1	....	....	....	4	Whooping Cough.	2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	1	1	....	....	3		2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	1	1	1	....	1	....	....	....	....	....	....	4	Rheumatism and Gout	....	....	....	....	....	1	....	....	1	1	....	....	....	....	1
Females	...	1	....	1	....	....	....	....	1	....	....	....	3		....	....	....	1	.. .	1	....	1	....	....	....	....	....	....	....
Males ..	4	4	3	5	1	1	1	5	5	6	....	....	35	Anæmia, including Infantile Debility	26	3	1	1	1	....	....	1	1	1	..	....	....	....	....
Females	4	3	2	1	2	2	2	....	2	5	2	2	27		15	1	1	1	1	1	1	2	2	2	....	....	....	....	....

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TABLE D.—COUNTIES.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

WENTWORTH—POPULATION, 73,649.

SEX.	MONTHS.												TOTAL.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	....	....	....	....	1	6	5	3	....	....	....	15	Cholera Infantum.	14	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	5	4	....	....	1	....	10		10	....	....	....	....	....	....	....	....	....	..	....	....	....	....
Males..	1	2	3	1	2	...	2	....	....	....	....	3	14	Croup	5	9	....	....	....	..	....	....	....	....	....	....	....	....	....
Females	1	4	2	....	....	2	2	....	1	2	....	....	14		4	7	2	1	....	..	....	....	....	....	....	....	....	....	....
Males..	...	....	..	....	....	....	8	7	5	....	....	....	20	Diarrhœal Diseases	10	3	....	2	....	..	....	....	....	1	3	1	....	....	....
Females	1	....	....	....	...	1	4	6	1	2	1	....	16		7	3	....	....	....	..	1	....	1	1	2	....	....	....	....
Males..	4	....	2	4	2	1	....	1	....	1	....	2	17	Diphtheria	1	6	4	4	2	....	....	....	....	....	....	....	....	....	....
Females	2	3	5	6	2	....	3	2	2	....	1	1	27		2	12	9	3	1	....	....	....	....	....	....	....	....	....	....
Males..	....	....	1	....	2	1	....	...	....	1	2	...	7	Typhoid Fever ..	....	....	....	....	2	3	....	1	1	....	....	....	....	....	....
Females	....	1	1	....	....	....	....	....	....	4	2	1	9		1	....	1	1	1	1	2	1	1	....	....	....	....	....	....
Males..	1	....	1	1	....	....	....	...	....	1	....	....	4	Scarlet Fever.....	....	4	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	.	....	....	....	....	..	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	...	...	....	2	....	1	....	2	....	5	Other Fevers ...	1	1	....	1	1	....	1	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	..	1	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	..	2	4	....	....	....	2	1	....	....	9	Whooping Cough.	7	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	1	..	....	1	1	.	....	....	4		4	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	5	....	....	....	1	....	....	....	6	Rheumatism and Gout	....	....	....	..	....	....	2	2	....	2	....	....	....	....	....
Females	....	....	....	....	2	1	..	....	1	1	1	1	7		...	....	....	1	....	1	....	2	2	1	....	....	....	....	....
Males..	4	1	4	6	9	5	8	7	9	4	3	4	64	Anæmia, including Infantile Debility	53	4	..	1	....	....	....	2	1	3	....	....	....	....	....
Females	4	4	7	9	2	6	6	6	6	2	2	....	54		38	4	1	....	2	2	....	1	2	4	....	....	....	....	....

Males...	....	1	.. .	2	...	....	...	....	1	....	....	1	5	} Dropsy.	{	....	....	....	....	....	....	....	2	....	....	1	2	....	....	....
Females	...	1	.	1	....	...	1	....	..	....	....	3	6		{	1	....	....	....	....	....	1	2	2	....	....	....	....	....	....	....
Males...	2	....	....	....	....	....	1	3	1	1	....	2	10	} Cancer.	{	..	....	....	....	1	1	3	....	1	3	1	..	....	....	....
Females	2	...	2	3	2	2	2	4	2	4	...	6	29		{	...	...	....	....	....	3	3	7	6	4	6	....	..	....	....
Males...	2	5	12	4	6	4	7	4	5	4	5	4	62	} Phthisis.....	{	6	2	1	2	3	16	10	7	9	6	...	...	....	....	....
Females	4	6	7	4	6	8	4	6	5	4	5	9	68		{	3	1	1	5	8	24	7	8	6	4	....	1	....	....	...
Males...	4	12	5	6	5	6	9	6	8	4	5	10	80	} Nervous Diseases,	{	32	6	4	1	....	5	3	4	8	8	6	2	....	....	1
Females	1	3	6	4	5	6	6	4	5	7	4	6	57	} includ. convulsions	{	17	6	5	1	1	5	2	3	4	4	5	3	1	....	....
Males...	3	2	1	4	8	4	4	8	5	6	2	4	51	} Heart Diseases ...	{	2	....	1	....	2	....	1	8	13	12	7	4	....	....	1
Females	5	....	4	4	4	4	5	4	5	3	8	8	54		{	3	1	2	3	1	1	2	6	7	12	13	3	....	....	....
Males...	5	10	6	15	16	3	6	1	2	3	3	5	75	} Pneumonia and	{	22	11	1	...	3	1	3	1	13	9	5	3	....	....	....
Females	5	2	11	3	8	5	3	2	2	3	4	4	52	} Bronchitis	{	13	5	...	..	1	3	6	3	6	4	10	1	....	....	....
Males...	....	1	2	....	1	2	2	2	6	1	3	2	22	} Enteritis and	{	....	2	3	4	3	4	....	3	....	1	1	....	....	....	1
Females	2	....	....	2	4	1	2	1	1	1	2	1	17	} Gastritis	{	1	1	2	....	....	5	2	1	...	4	1	....	....	....	....
Males...	....	....	2	1	....	....	1	2	....	....	2	....	8	} Liver Diseases....	{	....	....	....	....	1	...	1	1	3	1		1	....	....	....
Females	....	1	....	..	....	2	....	....	2	....	....	1	6		{	....	....	....	....	....	1	....	3	....	1	1	....	....	....	....
Males...	3	3	1	3	2	1	4	....	3	....	1	1	22	} Kidney Diseases..	{	3	....	....	....	1	...	2	2	3	5	5	1	....	....	....
Females	....	1	1	1	2	....	1	....	1	..	....	....	7		{	....	....	....	...	1	1	1	2	....	1	1	..	..	....	....
Females	....	2	1	...	....	1	....	....	....	....	..	....	4	Child Birth.....		....	..	....	....	....	3	1	....	....	....	....	....	..	..	....
Males...	4	2	4	1	1	1	4	4	6	1	1	5	34	} Old Age	{	....	....	....	....	....	...	...	....	....	....	16	18	....	....	...
Females	2	5	3	7	3	9	4	2	2	7	6	5	55		{	...	...	...	....	...	....	....	....	....	....	21	18	15	1	....
Males ..	2	2	1	....	3	7	1	2	2	2	1	4	27	} Violent Deaths,	{	....	1	....	3	3	1	4	2	5	4	2	....	....	....	2
Females	....	2	....	....	1	....	....	1	1	1	...	....	6	} Accidents, etc	{	...	....	....	....	....	2	1	....	2	....	....	1	...	....	....
Males...	1	...	....	....	....	....	....	....	....	....	....	....	1	} Suicide.....	{	....	....	....	....	....	....	....	....	....	1	...	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	....	1		{	....	....	....	....	....	....	....	1	....	....	....	....	..	....	....
Males...	8	4	5	6	4	6	3	4	3	4	2	4	53	} Other diseases and	{	47	....	..	....	....	2	. .	2	1	...	...	....	....	....	1
Females	4	3	6	3	....	5	2	2	6	5	8	3	47	} cause not specified.	{	36	....	1	1	2	....	....	1	3	2	....	....	..	....	1
Total Males...	44	45	50	56	70	42	68	56	63	34	32	51	611	} Total Deaths from all causes.	{	203	52	14	18	22	33	30	40	58	56	47	32	....	....	6
Total Females	33	38	57	48	43	53	50	46	44	46	45	49	552		{	141	41	24	16	18	53	28	42	42	42	60	27	16	1	1
Grand Total...	77	83	107	104	113	95	118	102	107	80	77	100	1163	....		344	93	38	34	40	86	58	82	100	98	107	59	16	1	7

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TABLE D.—COUNTIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

YORK—POPULATION, 183,408.

SEX.	MONTHS.													CAUSE OF DEATH.	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	1	....	....	2	1	1	27	24	21	6	1	1	85	Cholera Infantum.	73	11	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	2	....	21	26	15	....	....	1	65		56	9	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	3	1	1	5	1	1	....	....	2	2	....	1	17	Croup	4	10	3	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	1	2	2	1	1	1	1	....	1	2	6	20		5	13	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	2	1	3	1	3	11	33	20	5	1	2	83	Diarrhœal Diseases	54	18	2	1	....	....	1	4	1	1	1	....	....	....	....
Females	5	3	1	1	2	3	15	22	14	3	....	2	71		49	12	1	2	....	....	1	1	1	2	2	....	....	....	....
Males...	6	9	8	6	1	5	4	10	5	3	3	12	72	Diphtheria	5	38	17	5	4	1	....	1	....	1	....	....	....	....	....
Females	21	8	7	7	2	7	8	16	4	7	....	5	92		12	36	29	8	4	2	1	....	....	....	....	....	....	....	....
Males...	2	3	2	2	....	1	1	4	9	7	5	5	41	Typhoid Fever	2	3	....	....	4	15	6	5	2	2	....	....	....	....	2
Females	2	1	1	2	3	6	2	4	9	8	6	3	47		....	7	3	4	4	12	4	5	5	2	1	....	....	....	....
Males...	....	....	....	2	1	1	1	....	....	....	....	1	6	Scarlet Fever	1	4	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	1	2	1	....	2	....	....	....	7		1	2	3	1	....	....	....	....	....	....	....	....	....	....	....
Males...	1	...	....	....	....	1	2	....	1	....	2	....	7	Other Fevers	1	....	....	....	1	3	....	2	....	....	....	....	....	....	....
Females	1	1	....	....	1	....	2	1	....	3	....	....	9		1	3	2	1	....	....	1	..	1	....	....	....	....	....	....
Males...	....	....	....	2	1	1	....	....	....	....	....	....	4	Measles	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	1	....	....	2	....	1	....	....	5		3	....	1	1	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	3	2	....	2	....	1	2	....	2	1	14	Whooping Cough.	10	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	1	2	2	....	2	1	1	....	....	10		7	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	....	1	....	1	....	....	....	....	3	Rheumatism and Gout	...	....	....	1	....	....	1	....	....	1	....	....	....	....	....
Females	....	1	2	1	1	1	....	.	....	1	....	1	8		....	....	....	....	....	....	1	2	2	1	2	....	....	....	....
Males...	16	14	16	10	12	15	17	28	22	15	11	5	181	Anæmia, including Infantile Debility	118	9	....	....	....	3	....	5	5	5	2	2	1	....	1
Females	9	8	15	7	18	14	19	21	21	11	12	11	166		118	14	3	2	3	6	5	3	4	7	1	....	....	....	....

Males..	2	....	3	3	2	2	1	....	1	1	1	....	16	Dropsy.....	2	....	....	1	...	2	2	1	....	3	1	3	....	....	1
Females	4	4	3	6	3	3	....	1	2	....	....	1	27		1	....	....	1	....	4	5	1	9	3	1	1	....	....	1
Males..	5	2	3	5	2	3	3	5	2	3	6	1	40	Cancer	....	....	....	....	....	....	5	4	10	9	8	4	....	....	....
Females	5	3	5	5	8	6	3	1	2	4	1	3	46		....	....	1	....	....	1	4	4	10	10	12	1	1	...	2
Males..	21	20	17	21	16	13	13	14	12	16	8	16	187	Phthisis.....	14	4	4	6	14	58	24	35	11	13	2	1	....	....	1
Females	14	9	12	14	16	8	12	12	11	16	14	11	149		10	6	2	1	13	45	30	22	11	6	1	1	....	....	1
Males..	23	16	22	21	18	28	26	21	12	20	14	21	242	Nervous Diseases, including Convulsions	104	41	10	4	1	8	6	10	16	16	19	5	1	....	1
Females	7	17	26	18	14	20	22	17	16	22	10	17	206		93	33	9	3	4	13	5	8	11	13	11	3	....	....	....
Males.	11	20	13	9	11	9	15	11	10	10	12	3	134	Heart Diseases ..	7	3	3	....	6	7	7	17	23	32	22	5	....	....	2
Females	2	13	12	9	14	16	9	13	11	11	10	7	127		5	3	3	3	5	2	16	15	14	31	21	5	1	....	3
Males..	19	18	27	29	37	22	14	6	7	15	19	16	229	Pneumonia and Bronchitis ...	61	39	9	2	6	10	28	18	16	19	13	4	....	....	4
Females	10	14	29	19	30	18	5	5	9	12	13	13	177		55	28	2	4	5	11	11	15	11	19	14	2	....	....	....
Males..	5	1	3	5	9	2	5	15	9	5	4	5	68	Enteritis and Gastritis	18	2	5	1	2	11	4	11	8	4	2	..	....	....	....
Females	2	10	8	2	7	8	7	7	2	4	3	10	70		10	5	1	....	5	11	13	4	6	10	3	1	....	....	1
Males..	....	2	4	3	2	....	3	3	3	3	1	1	25	Liver Diseases....	....	1	....	....	2	2	3	4	8	4	1	....	....	....	....
Females	....	....	1	2	1	1	3	3	....	1	2	1	15		....	....	..	....	....	2	2	1	5	2	2	....	....	....	1
Males..	3	4	2	3	3	....	4	3	9	4	....	2	37	Kidney Diseases..	2	....	1	....	1	4	4	4	8	4	6	3	....	....	....
Females	3	3	3	1	4	3	1	3	5	5	3	4	38		....	1	1	....	....	5	4	7	7	5	8	....	....	....	....
Females	3	1	7	5	3	2	2	....	1	2	2	1	29	Child Birth.....	....	....	....	....	2	15	12	....	....	....	....	....	....	....	....
Males..	6	9	4	6	15	11	3	6	3	9	9	4	85	Old Age	....	....	....	....	....	....	....	....	....	..	46	28	10	1	....
Females	11	6	6	9	12	10	6	7	6	9	5	5	92		....	....	....	....	....	....	....	....	....	....	50	34	8	....	....
Males..	4	9	3	6	3	10	3	9	5	4	3	4	63	Violent Deaths, Accidents, etc..	3	8	2	5	4	13	6	5	6	3	4	2	....	....	2
Females	....	3	2	....	1	1	...	4	....	2	....	1	14		....	3	1	1	2	1	1	1	1	1	1	1	....	....	....
Males..	....	1	....	....	....	....	....	....	1	3	....	....	5	Suicide.	....	....	....	....	1	...	2	....	1	....	....	....	....	....	1
Females	....	....	....	1	....	1	1	...	....	2	....	.. .	5		....	....	....	....	1	....	2	1	1	....	....	....	....	..	....
Males..	23	17	18	19	24	31	15	23	17	18	15	27	247	Other diseases and cause not specified.	200	8	2	3	5	5	6	4	5	7	2	....	....	....	....
Females	19	12	12	19	16	15	13	16	14	3	6	12	157		114	6	2	3	2	5	11	6	6	1	1	....	....	....	....
Total Males..	152	149	150	165	160	163	168	217	173	149	117	128	1891	Total Deaths from all causes.....	710	205	60	29	51	143	105	130	120	124	129	57	12	1	15
Total Females	120	118	156	132	163	148	153	184	145	129	89	115	1652		540	184	66	35	50	135	129	93	105	113	131	49	10	....	9
Grand Total.	272	267	306	297	323	311	321	401	318	278	206	243	3543	.....	1250	389	126	64	101	278	234	226	225	237	260	106	22	1	24

RECAPITULATION.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.

PROVINCE—Population, 2,148,971.

SEX.	Months.													CAUSE OF DEATH	Ages.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	5	1	4	7	4	9	69	104	66	18	3	3	293	Cholera Infantum.	248	43	1	1	....	....	....	....	....	....	....	....	....	....	....
Females	1	2	2	2	6	3	71	101	51	10	1	4	254		222	29	3	....	....	....	....	....	....	....	....	....	....	....	....
Males..	23	23	17	26	19	5	12	8	14	11	16	25	199	Croup.....	49	112	31	6	..	....	....	....	....	....	....	....	....	....	1
Females	21	24	18	18	10	9	10	12	7	9	11	23	172		40	99	31	2	....	....	....	....	....	....	....	....	....	....	....
Males..	11	13	13	16	15	17	85	148	118	31	11	11	489	Diarrhœal Diseases	258	103	19	4	....	1	4	11	6	14	16	11	1	....	1
Females	14	12	14	9	11	21	80	135	93	31	10	15	445		259	84	11	3	3	4	5	12	9	21	23	11	....	....	....
Males..	51	48	59	42	39	44	30	37	34	47	37	65	533	Diphtheria	43	212	164	68	25	10	4	3	1	1	1	1	..	....	....
Females	71	60	45	46	44	30	39	47	36	51	28	58	555		53	211	169	67	26	22	3	2	....	....	1	....	....	....	1
Males..	8	13	14	13	13	11	14	34	45	50	39	33	287	Typhoid Fever ...	5	12	15	10	31	90	49	30	15	18	6	1	....	...	5
Females	12	10	6	5	10	12	10	27	45	56	32	17	242		1	15	22	22	35	62	26	26	21	7	3	1	....	....	1
Males..	7	2	4	14	9	5	1	3	4	4	5	4	62	Scarlet Fever	10	36	11	3	..	1	....	....	1	....	....	....	....	....	....
Females	1	5	9	13	8	7	5	2	7	6	4	3	70		7	35	20	5	2	....	....	....	....	....	....	....	1	....	....
Males..	11	6	1	9	5	5	15	1	11	12	7	1	84	Other Fevers	7	15	9	9	12	10	5	9	2	4	2	....	....	....	....
Females	6	10	4	6	7	14	10	8	13	19	6	2	105		10	20	13	8	10	13	7	9	8	4	2	1	....	....	....
Males..	8	3	8	13	9	9	6	2	1	2	5	2	68	Measles	25	22	13	1	2	5	....	....	....	....	....	....	...	....	....
Females	5	3	6	11	7	3	4	6	3	4	2	6	60		16	25	9	5	....	2	2	....	....	1	...	..	....	....	....
Males..	6	2	9	9	13	4	10	6	11	9	5	8	92	Whooping Cough.	60	25	4	3	....	....	....	....	....	....	....	....	....	....	....
Females	6	7	12	6	5	5	9	11	15	9	5	5	95		57	32	4	1	....	....	....	....	....	....	1	....	..	..	...
Males..	9	7	8	8	12	7	7	4	5	4	10	3	84	Rheumatism and Gout..... ...	1	3	4	3	4	10	9	12	9	14	11	2	1	....	1
Females	9	9	7	13	5	9	6	7	7	5	8	5	90		1	2	3	6	5	14	6	10	14	15	12	1	....	....	1
Males..	105	102	99	98	88	77	120	143	131	94	72	67	1196	Anæmia, including Infantile Debility.	949	92	12	13	7	16	7	13	31	47	4	2	1	....	512
Females	84	83	96	98	83	83	114	122	104	65	74	69	1075		772	88	17	6	16	34	25	27	31	52	2	....	....	.	

Males .	15	13	21	22	13	18	15	18	18	16	14	16	202	Dropsy	7	2	1	6	3	8	7	14	21	51	55	22	1	1	3
Females	23	18	17	26	21	22	16	14	31	19	19	13	239		8	2	5	3	6	18	27	19	43	52	37	13	1	...	5
Males ..	30	14	24	24	20	16	25	29	20	23	24	25	274	Cancer	....	1	1	....	11	17	29	60	57	58	26	9	....	....	5
Females	33	23	38	29	31	28	33	27	27	29	27	30	361		2	2	1	3	6	28	61	66	83	63	34	3	2	....	7
Males ..	97	96	123	132	107	78	86	85	85	95	81	101	1166	Phthisis	65	35	16	26	98	347	192	137	105	99	31	6	....	....	9
Females	102	109	114	115	110	126	104	120	118	115	95	127	1355		50	38	16	42	155	471	238	149	97	67	15	5	....	....	12
Males ..	122	111	120	116	93	99	104	115	98	83	79	108	1248	Nervous Diseases, includ. Convulsions	459	187	48	22	27	59	42	53	79	115	106	34	5	....	12
Females	79	84	110	90	72	78	90	94	91	89	67	83	1027		333	160	45	24	37	75	43	35	63	86	91	25	4	....	3
Males ..	68	77	71	72	73	57	65	79	61	72	67	70	832	Heart Diseases	31	14	8	12	22	37	45	72	116	226	180	52	1	1	15
Females	57	65	68	73	67	50	64	56	51	60	59	65	735		28	10	16	22	23	49	59	64	107	183	128	36	5	....	5
Males ..	128	162	211	201	194	97	62	39	46	93	96	104	1433	Pneumonia and Bronchitis	335	213	44	27	41	76	83	106	126	163	147	52	3	....	17
Females	101	118	180	127	125	94	45	40	35	71	86	82	1104		251	167	24	28	46	75	82	85	66	111	124	30	3	....	12
Males ..	24	39	50	31	42	32	53	56	57	42	35	33	494	Enteritis and Gastritis	76	42	24	22	33	74	39	44	36	52	35	10	1	....	6
Females	32	32	33	25	38	39	45	41	33	29	28	40	415		53	25	21	22	18	60	47	29	34	61	34	5	1	....	5
Males ..	8	12	20	12	13	9	13	20	20	17	16	10	170	Liver Diseases	2	7	2	...	7	13	14	26	36	34	23	4	2	...	...
Females	5	8	9	17	11	12	17	18	13	8	6	9	133		5	5	3	3	2	14	13	22	22	27	15	1	....	....	1
Males ..	31	32	28	20	28	26	29	17	44	29	28	45	355	Kidney Diseases	10	9	5	5	6	25	26	33	55	78	72	28	1	....	2
Females	21	11	15	17	12	17	11	17	23	18	12	12	186		8	10	7	8	7	21	23	27	20	26	19	6	....	....	4
Females	19	28	27	36	28	21	19	15	10	14	11	17	245	Child Birth	....	....	....	....	7	119	99	18	1	....	....	....	....	....	1
Males ..	141	110	116	112	108	73	80	91	86	96	89	109	1211	Old Age	....	....	..	....	....	....	....	....	..	....	558	516	127	9	1
Females	113	113	97	112	96	96	78	74	89	104	87	95	1154		....	....	....	....	....	....	....	....	...	....	501	488	151	10	1
Males	35	33	43	46	50	65	58	48	53	40	37	40	548	Violent Deaths, Accidents, etc.	8	51	33	48	58	92	66	49	54	46	25	8	1	....	9
Females	6	12	7	9	16	6	13	13	16	11	12	7	128		5	23	11	15	7	6	9	10	12	8	12	7	1	....	2
Males ..	2	5	2	4	6	4	3	5	4	4	1	....	40	Suicide	....	....	....	..	2	7	7	7	7	6	2	....	....	....	2
Females	....	2	1	2	1	4	4	2	3	....	....	....	19		....	....	....	....	1	1	5	5	3	4	....	....	....	....	...
Males ..	117	96	136	89	99	115	83	99	91	74	67	85	1154	Other diseases and cause not specified.	614	68	35	22	21	51	31	18	84	103	56	4	4	....	43
Females	99	72	90	95	91	90	69	71	80	65	67	67	956		396	63	36	26	28	40	48	93	59	93	28	7	....	....	39
Total Males ..	1062	1020	1204	1136	1072	882	1045	1189	1126	966	844	968	12514	Total Deaths from all causes	3302	1304	500	311	410	949	659	697	841	1129	1356	762	149	11	134
Total Females	920	920	1025	1000	915	879	966	1080	1001	897	757	860	11220		2577	1145	487	321	440	1128	828	708	693	881	1088	641	168	10	105
Grand Total.	1982	1940	2229	2136	1987	1761	2011	2269	2127	1863	1601	1828	23734	....	5879	2449	987	632	850	2077	1487	1405	1534	2010	2444	1403	317	21	239

RECAPITULATION.

Deaths by Ages and Months in the whole Province by Counties in 1888.

POPULATION, 2,148,971.

SEX.	MONTHS.													COUNTIES.	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	10	7	17	11	9	7	7	14	17	11	8	15	133	Algoma	29	18	8	5	8	10	13	10	8	3	9	1	....	....	11
Females	8	6	7	8	14	6	3	9	10	8	4	9	92		37	10	1	3	8	14	3	5	....	5	....	....	1	....	5
Males...	12	11	24	17	24	9	20	20	16	22	19	9	203	Brant	54	20	3	3	10	12	15	8	18	21	27	8	3	....	1
Females	14	16	18	23	22	17	29	19	19	12	9	17	215		67	14	7	3	5	23	18	13	13	13	22	11	1	....	5
Males...	21	27	33	23	26	31	17	25	28	18	18	31	298	Bruce	78	28	11	4	10	20	21	15	18	23	43	18	6	....	3
Females	23	21	21	31	18	11	26	26	22	18	20	18	255		57	25	12	9	9	22	16	17	11	16	28	22	8	1	2
Males...	78	63	57	64	66	56	124	68	39	27	40	48	730	Carleton	316	59	33	9	14	47	30	47	38	44	67	12	2	....	12
Females	63	50	56	65	39	54	110	72	38	30	38	37	652		245	75	29	19	18	60	37	28	35	41	38	19	4	1	3
Males...	5	12	9	14	8	5	8	10	7	14	11	11	114	Dufferin	28	18	2	3	6	11	8	7	8	9	5	5	....	1	3
Females	11	12	2	4	8	7	5	13	8	8	6	7	91		22	17	4	3	2	9	5	5	6	5	4	2	2	....	5
Males...	21	24	29	26	26	17	16	31	28	24	22	22	286	Elgin	56	29	13	9	8	23	11	14	22	40	37	13	3	1	7
Females	21	20	25	21	16	12	13	14	25	26	16	37	246		36	29	7	8	11	28	23	12	17	19	24	22	5	....	5
Males...	39	44	37	47	35	31	26	39	39	39	40	23	439	Essex	122	78	32	11	16	25	19	14	31	33	31	21	4	....	2
Females	26	29	40	35	33	31	38	34	26	29	24	28	373		107	59	24	7	9	34	23	20	21	23	27	14	5	....	....
Males...	24	23	26	19	23	13	16	25	17	22	18	34	260	Frontenac	48	20	5	7	10	20	20	23	12	41	26	20	5	....	3
Females	20	22	20	11	15	12	16	26	26	14	20	16	218		34	16	6	9	6	24	12	23	12	23	34	14	4	....	1
Males...	21	19	40	26	19	19	10	20	26	27	24	37	288	Grey	60	20	12	8	9	24	12	14	18	42	37	28	3	....	1
Females	30	22	25	34	21	28	18	28	26	23	19	29	303		56	17	8	4	15	32	26	18	18	31	43	19	8	....	8

Males...	11	8	23	11	24	14	14	9	7	14	8	8	151	Haldimand	31	19	5	4	6	13	3	4	13	15	22	12	2	....	2
Females	12	8	17	8	9	11	7	8	11	16	9	7	123		18	12	4	7	5	9	15	5	9	14	16	8	....	....	1
Males...	13	8	13	8	8	5	7	8	15	10	12	10	117	Halton	23	5	2	6	4	9	8	6	8	13	21	9	2	...	1
Females	9	10	10	11	9	8	5	9	13	8	11	9	112		20	10	3	....	3	11	11	4	9	13	12	10	2	....	4
Males...	2	1	5	2	3	....	5	3	1	3	1	....	26	Haliburton	9	1	3	1	....	3	....	1	2	2	3	1	....	....	....
Females	3	4	3	2	2	....	1	....	3	2	1	2	23		10	1	1	....	....	1	1	3	2	1	2	1	....	....	....
Males...	33	25	35	30	23	13	32	43	32	26	23	22	337	Hastings	80	35	15	11	9	29	16	11	20	39	40	24	5	....	3
Females	23	23	25	15	25	19	29	46	29	26	17	36	313		71	24	18	8	14	30	22	25	18	25	32	22	2	....	2
Males...	31	27	45	23	18	26	19	31	25	22	20	39	326	Huron	57	43	11	6	10	25	25	14	28	39	39	19	7	....	3
Females	21	22	24	27	22	25	30	35	24	20	23	30	306		65	39	7	7	9	29	24	19	21	26	27	24	7	....	2
Males...	24	33	32	23	25	13	18	34	31	18	19	21	291	Kent	79	26	11	6	3	21	20	20	23	24	32	18	3	1	4
Females	26	22	14	26	25	21	14	23	17	19	14	20	241		38	27	14	3	13	26	19	20	10	21	22	14	7	....	7
Males...	28	17	25	23	24	18	16	30	43	27	27	12	290	Lambton	53	31	12	3	21	37	12	20	21	30	33	14	2	....	1
Females	22	22	27	26	17	22	18	15	30	35	22	13	269		55	23	14	6	15	36	19	21	17	21	21	14	4	1	2
Males...	12	17	19	15	16	18	22	18	12	15	11	17	192	Lanark	40	19	10	7	4	19	6	12	13	18	23	17	3	....	1
Females	16	12	17	18	12	13	15	6	12	10	14	8	153		40	14	3	3	9	15	8	11	10	12	13	12	1	1	....
Males...	22	30	24	33	23	22	20	26	32	25	26	21	302	Leeds & Grenville	50	26	14	4	15	28	12	22	21	21	47	33	7	....	2
Females	19	26	31	22	28	25	19	28	27	20	22	22	289		47	25	14	7	16	29	27	21	18	21	34	20	6	....	1
Males..	10	13	8	14	6	6	7	16	13	8	8	21	130	Lennox and Addington	17	10	2	2	7	6	7	8	10	14	23	14	6	....	4
Females	12	7	5	10	3	4	9	12	12	5	4	3	86		10	10	2	2	4	11	7	4	9	8	7	9	1	....	2
Males...	19	23	23	20	16	18	22	29	15	17	11	17	230	Lincoln	52	15	12	7	7	18	18	16	20	17	23	19	2	....	4
Females	21	21	23	28	13	14	13	21	26	20	14	13	227		45	22	6	8	14	20	15	12	13	22	31	16	3	....	....
Males...	49	47	55	48	44	40	46	40	45	44	35	49	542	Middlesex	131	44	22	12	9	48	27	18	44	56	75	37	10	1	8
Females	33	48	52	56	40	30	45	48	63	48	29	30	522		106	40	27	13	18	76	41	33	30	42	58	28	4	....	6
Males...	18	21	14	10	19	10	14	27	29	18	19	16	215	Muskoka & Parry Sound	74	32	13	7	9	15	10	6	8	16	14	7	...	...	4
Females	16	5	12	9	15	9	16	20	25	21	18	14	180		52	25	14	8	6	13	11	7	14	9	10	6	1	....	4
Males...	16	12	18	19	13	13	10	5	18	12	10	14	160	Norfolk	29	15	6	3	6	13	3	11	10	20	29	12	2	....	1
Females	12	10	11	16	12	14	15	10	19	7	18	17	161		20	9	8	10	4	28	14	13	9	16	14	13	2	1	....
Males...	46	37	47	35	30	29	30	22	29	38	24	36	403	Northumberland and Durham	70	36	12	8	17	32	20	19	30	40	63	52	4	....	....
Females	27	48	30	33	27	25	28	35	19	24	22	30	348		45	28	9	11	8	38	31	26	25	35	54	33	5	....	....
Males...	19	20	30	33	22	13	22	26	27	22	35	19	288	Ontario	64	33	17	11	8	22	14	15	13	36	28	21	2	....	4
Females	26	22	19	12	13	16	23	23	19	25	24	27	249		52	34	13	9	16	22	20	12	9	20	18	15	2	...	7
Males...	41	29	32	40	25	30	21	23	36	20	17	21	335	Oxford	71	32	18	8	13	21	21	25	18	26	42	25	8	2	5
Females	33	22	33	26	17	25	15	25	27	24	22	22	291		50	29	17	9	16	27	25	25	17	16	32	20	6	1	1

RECAPITULATION—*Continued.*

Deaths by Ages and Months in the whole Province by Counties in 1888.

SEX.	Months.												Total.	COUNTIES.	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	14	12	9	20	13	9	12	18	10	15	14	12	158	Peel	23	14	5	6	11	9	15	7	9	21	12	16	2	....	8
Females	14	18	13	14	8	13	13	10	15	15	10	11	154		28	13	7	7	2	15	11	11	11	13	22	11	2	....	1
Males...	18	11	24	27	22	21	17	28	25	28	12	19	252	Perth	46	30	7	6	11	25	12	9	17	25	37	21	5	....	1
Females	19	14	23	18	32	25	17	21	13	21	21	14	238		39	16	8	9	14	26	18	17	15	28	28	19	....	....	1
Males...	16	12	26	24	14	14	22	21	12	11	13	12	197	Peterborough	62	17	12	3	4	11	13	13	14	15	16	14	3	....	....
Females	7	8	17	14	7	15	8	24	9	18	15	14	156		31	17	5	4	7	13	17	13	13	8	19	8	1	....	....
Males...	20	19	21	17	34	23	25	28	28	16	13	20	264	Prescott and Russell	94	36	18	10	6	18	12	9	11	12	18	13	5	1	1
Females	23	31	24	20	30	29	21	32	18	17	15	24	284		77	45	15	7	12	25	17	20	15	11	17	11	5	1	6
Males...	10	13	12	13	11	10	5	9	14	12	13	9	131	Prince Edward	21	6	3	7	4	17	11	7	9	13	25	6	2	....	....
Females	17	12	15	12	8	10	6	9	12	17	8	8	134		16	12	5	8	10	12	12	7	2	14	20	12	4	....	....
Males...	15	11	18	21	16	18	20	15	10	19	16	15	194	Renfrew	52	31	8	9	7	13	6	11	9	12	23	7	6	....	....
Females	14	13	15	17	17	14	14	12	17	17	12	8	170		43	15	4	10	8	19	15	10	10	15	10	9	2	....	....
Males...	36	33	43	34	31	18	24	25	29	26	23	25	350	Simcoe	77	44	14	17	10	32	21	19	21	31	36	22	3	1	2
Females	33	41	26	27	26	27	17	19	21	18	21	29	305		40	34	22	7	19	33	24	16	22	20	40	19	6	....	3
Males...	23	28	34	42	24	17	26	35	35	16	18	27	325	Stormont, Dundas & Glengarry	49	40	19	9	8	28	21	20	24	32	35	29	3	2	6
Females	19	20	20	29	25	29	30	27	33	20	22	19	293		42	26	17	11	10	38	17	19	17	24	33	23	9	....	7
Males...	13	12	15	10	10	8	12	9	18	13	10	14	144	Victoria	30	18	8	6	3	17	3	4	8	12	20	14	1	....	....
Females	7	13	16	20	8	7	11	19	12	7	11	11	142		21	16	4	2	7	13	13	7	12	16	10	17	3	1	....
Males...	27	25	37	17	34	18	42	34	35	35	21	28	353	Waterloo	97	43	14	9	12	15	14	23	22	27	53	15	9	....	....
Females	27	21	29	24	31	17	31	25	32	29	20	29	315		74	45	16	9	11	29	18	12	23	25	29	13	11	....	....

Males...	29	34	25	42	30	24	26	31	34	33	24	24	356	Wellington.....	71	35	10	14	16	26	12	17	26	44	39	40	7	....	5
Females	24	27	23	24	26	23	19	29	41	34	18	24	309		55	28	10	17	15	30	20	20	21	25	33	23	7	1	4
Males...	20	18	20	14	15	24	9	24	13	18	12	24	202	Welland	46	21	4	6	6	11	13	8	18	25	28	16	..	....	....
Females	13	16	24	24	16	10	16	18	13	11	10	7	178		24	19	12	3	4	20	16	16	13	22	16	12	1	....	....
Males...	44	45	50	56	80	42	68	56	63	34	32	41	611	Wentworth	203	52	14	18	22	33	30	40	58	56	47	32	....	....	6
Females	33	38	57	48	43	53	50	46	44	46	45	49	552		141	41	24	16	18	53	28	42	42	42	60	27	16	1	1
Males...	152	149	150	165	160	163	168	217	173	149	117	128	1891	York	710	205	60	29	51	143	105	130	120	124	129	57	12	1	15
Females	128	110	156	132	163	148	153	184	145	129	89	115	1652		540	184	66	35	50	135	129	96	105	113	131	49	10	....	9
Total Males...	1062	1020	1204	1136	1072	882	1045	1189	1126	966	844	968	12514	Total Deaths from all causes	3302	1304	500	311	110	949	659	697	841	1129	1356	762	149	11	134
Total Females	928	912	1025	1000	915	879	966	1080	1001	897	757	860	11220		2577	1145	487	321	440	1128	828	708	693	881	1088	641	168	10	105
Grand Total.	1990	1932	2229	2136	1987	1761	2011	2269	2127	1863	1601	1828	23734	....	5879	2449	987	632	850	2077	1487	1405	1534	2010	2444	1403	317	21	239

H. S. CREWE,
Inspector.

TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.

TORONTO—Population, 139,432.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	1	....	..	2	1	1	22	17	19	1	1	...	65	Cholera Infantum.	57	8	....	....	...	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	2	....	15	23	13	....	....	1	54		45	9	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	1	4	1	1	....	....	2	1	....	1	12	Croup.....	2	9	1	....	....	..	....	....	....	....	....	....	....	....	....
Females	2	1	2	2	....	....	....	....	....	1	2	6	16		3	11	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	2	1	3	1	2	9	28	17	5	1	1	71	Diarrhœal Diseases	46	16	2	....	....	....	1	3	1	1	1	....	....	....	....
Females	5	3	....	1	1	3	14	20	11	3	1	1	63		44	12	....	1	....	....	1	1	1	1	2	....	....	....	....
Males...	5	7	6	5	1	3	3	7	5	3	2	7	54	Diphtheria	4	32	14	3	1	....	....	....	..	....	....	....	....	....	....
Females	16	7	7	5	2	6	7	9	4	7	....	4	74		9	29	27	3	3	2	1	....	....	....	....	....	....	....	....
Males...	1	2	2	2	...	1	1	4	8	7	5	3	36	Typhoid Fever ...	...	2	....	....	4	14	6	5	2	2	....	....	....	....	1
Females	1	1	1	2	3	6	2	2	8	6	4	....	36		..	3	2	2	2	11	3	5	5	2	1	....	....	....	....
Males...	...	....	....	1	....	1	1	....	....	....	....	1	4	Scarlet Fever.....	....	3	....	..	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	1	...	1	1	....	....	1	..	....	....	4		1	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	....	....	....	....	....	....	....	2	....	3	Other Fevers.....	1	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Females	1	1	....	....	1	....	1	....	....	1	....	...	5		1	2	....	....	....	....	1	....	1	....	....	....	....	....	....
Males...	....	....	....	1	1	....	....	....	....	....	....	....	2	Measles	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	1	..	1	....	..	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	1	....	....	....	....	1	1	....	2	1	7	Whooping Cough.	5	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	1	....	1	....	....	....	1	....	....	4		2	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	1	....	....	....	....	1	Rheumatism and Gout.	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	1	....	1	1	1	....	....	....	..	....	1	5		....	....	....	....	....	....	1	2	1	1	....	....	....	....	....
Males...	12	9	14	8	10	13	15	23	20	12	9	5	150	Anæmia, including Infantile Debility	133	6	....	....	....	1	....	3	3	1	2	1	....	....	....
Females	8	6	12	6	17	14	13	20	19	6	11	7	139		102	11	3	2	3	4	5	1	2	5	1	....	....	....	....

Males	2		1	1	1		1		1	1	1		9	Dropsy		1			1		2	1			1		2			1								
Females	4	3		3	2	2		1	2			1	18						1		4	2		6	3	1				1							
Males	4	2	2	5	1	3	3	5	2	3	5		35	Cancer							5	2	8	9	7	4											
Females	4	3	5	4	8	4	3	1	2	3	1	3	41							1	4	2	10	9	11	1	1			2							
Males	16	16	12	20	14	13	10	13	7	11	5	14	151	Phthisis		13	4	3	3	10	47	20	30	9	9	2				1							
Females	8	6	10	10	14	7	8	8	11	12	12	10	116			8	5			12	37	19	22	8	3	1	1										
Males	19	11	16	19	15	20	24	18	9	13	9	15	188	Nervous Diseases, including Convulsions		84	38	7	4		7	3	9	14	8	11	3										
Females	6	12	18	14	13	17	18	14	14	15	7	11	162			76	31	5		3	10	4	5	9	10	7	2			..							
Males	9	14	10	8	8	9	10	9	9	8	9	1	101	Heart Diseases		6	3	3		4	7	7	11	17	28	14	4										
Females	1	11	10	7	13	13	8	9	11	9	5	6	103			5	2	2	3	4	2	13	12	12	22	18	4	1		3							
Males	19	15	19	22	29	20	14	6	6	12	16	16	191	Pneumonia and Bronchitis		52	32	7	2	6	9	25	14	14	16	10	4			3							
Females	10	10	16	14	25	15	4	5	7	7	9	12	134			44	24	2	3	2	9	9	6	8	17	8	2										
Males	3		2	5	7	1	3	10	8	4	3	4	50	Enteritis and Gastritis		17	2	4	1	1	8	2	6	5	3	1											
Females	2	7	5		5	5	2	5	1	3	3	9	47			7	5	1		2	6	10	4	5	7												
Males		2	3	3	1		2	3	2	1		1	18	Liver Diseases			1			2		2	3	5	4	1											
Females			1	1	1		3	1			1	1	9										1	4	2	1				1							
Males	3	3	2	2	3		3	2	9	3			30	Kidney Diseases		2		1			4	4	4	5	2	5	3										
Females	3	2	3	1	4	3	1	2	4	1	3	4	31					1			4	4	5	6	4	7											
Females	3	1	7	4	3	2	2		1	2	2	1	28	Child Birth						2	15	11																
Males	1	8	2	5	10	4	1	4	1	6	8	1	51	Old Age												32	12	6	1	..								
Females	9	4	5	7	10	8	5	5	4	6	2	4	69													38	25	6										
Males	4	8	3	4	3	9	2	6	4	4	2	4	53	Violent Deaths, Accidents, etc.		3	7	1	3	4	11	5	5	5	3	4	1			1							
Females		3	2		1	1		4					11				2	1	1	2	1		1	1		1	1										
Males		1								2			3	Suicide								2		1													
Females				1		1	1			1			4									1	1	1	1												
Males	21	16	18	18	23	30	15	17	15	17	15	24	229	Other diseases and cause not specified		192	8	2	3	2	4	5	3	3	5	2											
Females	19	9	12	16	15	13	12	16	11	3	5	12	143			109	4	2	2	2	5	7	5	5	1	1	..										
Total Males	123	117	115	138	130	131	139	174	145	114	95	99	1520	Total Deaths from all causes		619	174	45	20	35	121	85	104	93	91	89	30	6	1	7								
Total Females	102	91	118	101	142	123	119	146	124	88	68	97	1319			459	154	49	18	38	114	94	82	83	90	88	36	7		7								
Grand Total	225	208	233	239	272	254	258	320	269	202	163	196	2839			1078	328	94	38	73	235	179	186	176	181	177	66	13	1	14								

TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

HAMILTON—Population, 43,082.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.														
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	1	6	3	1	....	....	2	13	Cholera Infantum.	12	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	5	3	....	....	....	....	8		8	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	2	3	1	2	....	2	....	....	....	....	2	13	Croup	4	9	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	3	1	....	....	2	2	....	1	1	....	....	11		5	5	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	6	6	1	....	....	....	13	Diarrhœal Diseases	10	2	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	1	....	....	....	....	1	3	5	1	1	1	....	13		5	3	....	....	....	....	....	1	1	2	1	....	....	....	....
Males	3	....	1	2	2	1	....	1	....	....	....	2	12	Diphtheria	1	4	3	2	2	....	....	....	....	....	....	....	....	....	....
Females	1	2	3	6	1	....	1	2	2	....	1	1	20		1	10	7	2	..	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	1	....	....	....	....	1	1	....	4	Typhoid Fever	....	....	....	....	2	2	....	....	....	..	....	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	1	2	1	5		1	....	....	1	....	1	1	1	....	....	....	....	....	....	....
Males	1	....	1	....	....	....	....	....	....	1	....	....	3	Scarlet Fever	....	3	....	....	....	....	....	....	....	..	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	2	....	1	....	1	....	4	Other Fevers	1	....	....	1	1	....	1	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	..	....	..	....	2	....	....	....	1	....	....	....	3	Whooping Cough.	2	1	....	....	..	....	....	....	....	....	....	....	....	....	..
Females	....	....	....	....	1	....	....	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	3	....	....	....	....	....	....	....	3	Rheumatism and Gout	....	....	....	....	....	..	1	1	....	1	....	....	....	....	....
Females	....	....	....	1	1	1	....	....	1	....	....	....	4		....	....	....	1	....	....	..	1	1	1	....	....	....	....	....
Males	2	....	1	2	5	4	7	6	6	3	1	2	39	Anæmia, including Infantile Debility	36	....	....	1	....	....	....	....	....	2	....	....	....	....	....
Females	4	2	2	5	2	4	4	4	4	2	1	....	34		25	3	1	..	1	2	....	1	....	1	....	....	....	....	....

Exhi.

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

OTTAWA.—POPULATION, 40,000.

SEX.	MONTHS.												Total.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	2	4	3	....	1	....	....	10	Cholera Infantum.	10	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	2	1	1	....	....	....	4		4	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	3	....	3	1	1	....	....	....	....	1	....	10	Croup	4	6	....	....	..	....	....	....	....	....	....	....	....	....	....
Females	2	....	1	....	1	....	....	....	....	....	....	....	4		2	1	1	..	....	....	....	....	....	....	....	....	....	....	....
Males...	5	4	6	2	3	1	20	16	4	...	....	....	61	Diarrhœal Diseases	51	7	2	....	....	..	....	....	....	....	1	....	....	....	....
Females	3	3	4	3	2	1	21	10	2	....	1	....	50		36	7	....	....	1	...	....	2	1	2	1	....	....	..	....
Males...	2	2	2	1	2	5	1	4	....	....	2	2	23	Diphtheria.....	6	8	6	1	1	....	1	....	....	....	....	....	....	....	....
Females	..	3	2	8	2	3	6	5	....	1	1	....	31		4	15	4	4	1	3	....	....	....	....	....	....	....	....	....
Males...	....	2	...	1	...	1	..	....	....	....	....	3	7	Typhoid Fever....	....	....	2	..	....	....	1	2	1	1	....	....	....	....	....
Females	2	....	....	....	....	....	....	....	2	2	2	....	8		....	....	3	2	1	....	...	1	....	1	....	....	....	....	....
Males...	....	..	..	1	2	....	....	....	....	....	....	....	3	Scarlet Fever.....	2	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Females	....	....	....	2	1	....	....	....	....	....	....	....	3		1	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	1	....	1	....	1	2	....	....	....	....	....	7	Other Fevers.....	1	....	1	....	1	3	....	1	....	..	....	....	....	....	....
Females	....	....	2	....	1	....	....	....	....	....	1	....	4		1	1	....	....	1	....	....	..	1	....	....	....	....	....	....
Males...	5	....	....	....	....	....	....	....	....	..	....	....	5	Measles	2	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	3	....	....	....	....	....	....	....	1	1	5		....	5	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	1	....	1	....	....	....	....	1	....	4	Whooping Cough..	3	....	1	..	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	..	....	....	....	..	1	2		2	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	..	....	1	....	1	...	....	1	....	3	Rheumatism and	....	....	....	....	....	1	....	....	....	....	2	....	....	....	...
Females	....	1	....	1	....	2	....	....	....	....	1	....	5	Gout	....	....	....	....	....	2	1	....	....	....	1	1	....	....	..
Males...	10	5	9	15	7	6	14	10	2	2	2	1	83	Anæmia, including	70	4	....	....	....	2	2	....	1	4	....	....	....	....	....
Females	7	10	2	12	7	3	12	9	5	1	3	4	75	Infantile Debility.	59	7	1	....	1	...	2	....	1	3	1	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

LONDON.—POPULATION, 26,786.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	4	1	....	....	....	....	5	Cholera Infantum.	5	....	....	....	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	4	3	2	....	....	....	9		7	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	2	1	1	....	....	....	....	....	5	Croup	1	4	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	1	....	....	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	2	....	1	1	1	2	4	2	1	....	1	15	Diarrhœal Diseases	13	1	....	....	....	....	....	....	....	....	1	....	....	....	....
Females	....	....	1	1	1	....	1	8	....	1	..	....	13		9	1	....	....	....	....	....	2	....	....	1	....	....	....	....
Males...	....	....	....	1	....	....	....	....	1	....	....	....	2	Diphtheria	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	2	....	....	1	....	....	....	....	....	....	....	5		.	2	2	....	1	....	....	....	....	....	....	....	....	.	....
Males...	....	....	....	....	....	....	....	....	....	2	....	1	3	Typhoid Fever	....	....	....	....	....	3	....	....	....	....	..	....	....	....	....
Females	....	....	....	....	....	....	....	....	2	3	....	....	5		....	....	....	....	....	2	2	....	1	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	...	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	1	1	....	....	....	3		....	1	1	1	...	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	..	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	.	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	1	....	....	1	Whooping Cough.	....	1	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		....	1	....	....	....	..	....	....	....	....	....	....	....	....	....
Males...	....	..	....	....	....	...	....	....	1	....	1	....	2	Rheumatism and Gout.	....	1	....	....	....	..	....	....	1	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	3	1	1	3	1	1	4	3	2	....	1	1	21	Anæmia, including Infantile Debility	17	3	....	....	....	....	..	....	....	1	....	....	....	....	....
Females	1	3	....	3	2	....	....	3	3	3	2	1	21		14	1	....	...	1	1	...	1	1	2	....	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

KINGSTON.—POPULATION, 16,216.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	2	....	....	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	1	....	....	....	....	....	....	2	Croup	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	....	....	....	1	....	1	....	....	3	Diarrhœal Diseases	2	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	2	....	....	....	....	....	....	....	2	Diphtheria	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	2	....	....	....	....	....	....	3		....	2	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	3	....	....	....	1	4	Typhoid Fever	....	1	....	....	....	2	1	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	....	1	....	....	....	2	Other Fevers	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1		....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	1	....	....	....	....	....	....	....	2	Whooping Cough.	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	1	....	....	....	....	....	....	1	2	Rheumatism and Gout	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	1	....	....	....	2		....	....	....	....	1	....	....	....	....	1	....	....	....	....	....
Males	1	1	....	2	1	....	....	1	1	2	....	....	9	Anæmia, including Infantile Debility	5	2	....	....	....	....	....	....	1	2	....	....	....	....	....
Females	2	....	3	....	....	....	....	1	2	....	....	2	10		7	1	....	....	....	....	....	1	1	....	....	....	....	....	....

Males...	....	1	1	....	....	....	....	....	....	....	....	2	4	Dropsy	....	....	....	....	....	1	1	....	....	1	....	1	....	....	....	....	....
Females	....	....	....	....	....	2	....	1	....	....	....	....	3		....	....	....	....	....	....	....	....	....	1	2	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	....	....	....	....	....	1	Cancer	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	1	....	1	....	....	....	....	....	3		....	....	....	....	....	....	....	1	..	1	1	....	....	....	....	....	....
Males...	1	1	....	....	1	..	1	....	1	....	....	1	6	Phthisis	....	....	....	....	....	2	1	2	1	...	....	....	....	....	....	....	....
Females	3	....	2	....	1	....	1	1	1	1	....	....	10		....	2	....	....	1	5	1	....	1	...	....	....	....	....	....	....	....
Males...	3	1	2	1	..	....	....	1	....	1	1	6	16	Nervous Diseases, includ. Convulsions	2	....	....	....	2	1	1	2	3	2	3	....	....	....	....	....	....
Females	1	1	....	....	....	....	....	1	....	....	1	2	6		1	....	....	....	....	....	....	....	1	3	1	....	....	....	....	....	....
Males...	2	.	....	...	1	...	1	1	2	....	....	2	9	Heart Diseases...	..	....	....	....	....	1	3	....	....	4	1	....	....	....	....	....	....
Females	1	4	1	....	1	1	....	....	....	....	....	....	8		....	....	..	1	....	1	....	1	..	2	2	1	....	....	....	....	....
Males...	2	1	1	2	1	1	1	2	....	....	2	....	13	Pneumonia and Bronchitis	1	1	....	1	....	3	..	3	1	1	2	....	....	....	....	....	....
Females	2	3	1	..	....	....	....	....	....	....	....	....	6		1	....	....	....	....	....	....	1	....	1	2	1	....	....	....	....	....
Males...	....	1	....	....	....	1	1	3	....	1	....	....	7	Enteritis and Gastritis	2	...	1	....	....	1	1	....	1	. .	1	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	2	1	1	....	....	5		1	....	....	1	....	....	....	1	1	1	....	....	....	....	....	....	....
Males...	....	1	....	1	....	....	....	....	...	1	....	....	3	Liver Diseases....	....	....	....	....	....	....	....	1	....	1	1	....	....	....	....	....	....
Females	....	....	....	....	....	...	...	....	....	....	....	.	....		..	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	2	....	....	....	....	..	....	....	..	1	..	3	Kidney Diseases..	....	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	....	....	....	1		....	....	....	...	....	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	..	...	1		Child Birth	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
Males...	3	3	3	1	....	....	....	1	....	....	....	....	11	Old Age	....	....	....	....	....	....	....	....	....	....	4	6	1	....	....	....	....
Females	....	2	....	3	....	....	2	1	....	1	1	1	11		....	....	....	....	....	....	....	....	....	....	8	2	1	....	....	....	....
Males...	....	...	...	....	....	....	....	....	....	....	....	....	....	Violent Deaths, Accidents, etc..	....	....	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....			....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Suicide...	....	....	....	....	....	....	....	....	....	....	...	....	....	....	....	....	....
Females	....	....	....	..	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	3	1	....	1	..	....	....	2	....	....	....	8	Other diseases and cause not specified.	3	...	.	....	....	....	....	1	....	....	3	..	....	....	....	....	1
Females	2	1	1	...	1	.	....	....	1	....	....	....	6		2	....	...	....	....	....	1	1	1	....	1	....	....	....	....	....	....
Total Males...	14	16	10	7	9	3	5	13	7	6	4	13	107	Total deaths from all causes.....	19	6	2	2	4	12	8	10	7	16	12	7	1	...	1		
Total Females	12	12	9	5	5	6	7	7	8	3	2	5	81		15	7	1	3	2	7	3	6	5	10	17	4	1	....	....		
Grand Total.	26	28	19	12	14	9	12	20	15	9	6	18	188	....	34	13	3	5	6	19	11	16	12	26	29	11	2	....	1		

CXIX.

TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

BRANTFORD—POPULATION, 13,054.

SEX.	MONTHS.												Total.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	....	....	....	....	..	1	2	1	....	....	....	4	Cholera Infantum.	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	7	4	....	1	....	....	13		13	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	1	....	....	....	....	....	1	Croup.....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	1	....	....	....	....	....	....	....	....	....	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	..	....	....	....	....	1	1	1	....	3	Diarrhœal Diseases.....	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	2	2	....	....	....	5		1	1	....	....	....	....	....	1	....	2	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	1	....	....	....	1	....	....	....	....	....	....	4		1	....	2	....	1	....	....	....	....	....	....	....	....	....	....
Males..	..	....	....	....	....	....	....	....	3	5	....	....	8	Typhoid Fever...	..	....	....	....	2	3	2	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	2	....	....	....	2		....	....	....	....	1	1	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	1	....	....	....	1	Scarlet Fever.....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers.	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....
Females	..	....	....	....	....	....	....	....	....	1	....	....	1		....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Males..	....	....	....	....	1	....	....	....	....	....	....	....	1	Measles	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	1	....	1	Whooping Cough.	....	1	....	....	....	....	....	....	....	....	....	....	....	....	..
Females	....	....	....	1	....	....	....	1	1	1	....	....	4		3	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	....	....	....	....	1	....	....	1	....	....	2	Anæmia, including Infantile Debility	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	2	....	1	2	....	1	....	2	9		7	....	....	....	....	1	....	1	....	....	....	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

ST. THOMAS.—Population, 10,476.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown
Males	....	....	1	....	....	....	....	3	1	....	....	....	5	Cholera Infantum.	5	..	...	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	..	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	..	....	..	....	....	....	....	1	....	....	1	Croup	....	1	....	....	..	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	1	....	....	....	....	....	....	....	2		....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	....	....	....	1	....	1	3	Diarrhœal Diseases	1	....	1	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	1	2		2	....	....	....	....	..	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	3	3	Diphtheria	....	1	2	....	....	....	....	....	..	....	....	....	....	....	....
Females	....	....	....	....	....	....	..	....	1	....	....	2	3		....	1	1	1	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	1	....	....	....	....	....	....	....	....	1	3	Typhoid Fever	....	....	....	....	....	3	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	1	....	..	...	....	....	....	....	....	....	....	....	...	....
Males	....	....	....	....	....	....	....	....	....	1	....	....	1	Other Fevers	....	1	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	1	....	....	....	....	....	....	....	1	....	2	Measles	1	....	1	....	....	....	....	....	..	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	.	.	....	....	..	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	1	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	..	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	..	....	....		....	....	....	....	...	....	....	....	....	....	....	....	....	....	....
Males	1	1	1	1	....	1	....	....	1	....	....	....	6	Anæmia, including Infantile Debility	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	1	....	....	....	....	....	....	....	2		1	....	....	....	....	....	....	....	....	1	....	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

GUELPH.—POPULATION, 10,413.

SEX.	MONTHS.												Total.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	..	....	....	....	....	....	....	....	....	..	....
Females	....	....	..	..	....	....	....	....	....	....	....	....	....		....	....	....	....	..	....	....	....	....	....	....	....	....	..	..
Males...	....	....	....	....	....	....	....	....	....	....	....	2	2	Croup	....	2	....	....	....	....	..	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	....	....	....	....	....		....	....	....	....	....	....	..	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	1	1	....	....	....	2	Diarrhœal Diseases	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	4	1	....	....	....	5		5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	1	....	1	....	1	....	....	....	....	....	4	Diphtheria	....	1	1	2	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	2	1	....	1	....	....	....	....	....	4		....	3	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Males..	....	....	..	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	1	1	Other Fevers	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	1	....	....	1	Measles	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	.	....	....	....	....	....	..	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	...	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	..	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	..	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Males...	2	1	2	3	....	....	1	1	2	2	....	....	14	Anæmia, including Infantile Debility	11	1	1	....	....	....	....	....	1	....	....	....	....	....	....
Females	1	1	....	1	2	1	1	....	1	1	...	1	10		6	....	1	....	....	....	2	1	....	....	....	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

ST. CATHARINES.—POPULATION, 10,080.

SEX.	Months.													CAUSE OF DEATH	Ages.														
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	1	....	1	..	..	....	....	2	Cholera Infantum.	1	1	....	....	...	....	....	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	....	2	3	....	....	....	....	5		5	....	....	....	...	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	2	....	....	....	....	....	....	....	....	....	....	..	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	1	....	....	....	....	....	....	1	Diarrhœal Diseases	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	2	....	....	....	1	3		....	2	....	....	....	....	....	....	....	....	....	....	....	....	....	1
Males...	....	1	....	....	1	....	....	....	....	1	....	....	3	Diphtheria	....	....	3	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	1	....	....	....	....	3	....	..	5		....	3	....	1	....	1	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	1	1	....	1	1	4	Typhoid Fever . .	....	....	1	....	1	2	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever....	....	....	....	....	....	..	..	....	....	....	....	....	....	....	..
Females	....	....	..	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	1	1	Measles	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	1	....	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	....	1	....	1	1	1	....	1	....	6	Anæmia, including Infantile Debility	5	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	1	1	..	....	1	....	1	1	....	....	....	5		4	....	....	....	....	....	1	....	....	....	....	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

BELLEVILLE.—POPULATION, 10,269.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	2	1	....	....	....	3	Cholera Infantum	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	3	2	....	....	....	....	5		5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	1	1	Croup	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	3	....	....	....	....	4	Diarrhœal Diseases	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	2	....	....	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	....	....	1	2	Typhoid Fever	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	1	....	1	....	....	3		....	....	....	....	....	1	1	....	1	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	....	....	....	....	....	....	....	....	1	Other Fevers	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	1	....	....	....	....	....	....	....	....	1	Whooping Cough	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	....	....	....	1	....	2	Rheumatism and Gout	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Males	1	....	....	....	....	....	1	2	....	1	....	....	5	Anæmia, including Infantile Debility	4	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE E.—CITIES.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

STRATFORD—Population, 9,002.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males			1										1	Cholera Infantum.		1													
Females								1					1		1														
Males			1	1	1								3	Croup		1	1	1											
Females																													
Males									1				1	Diarrhœal Diseases										1					
Females			1										1								1								
Males	1						1						2	Diphtheria		3													
Females	2	1										1	4			3		1											
Males					1				1	1	2	1	6	Typhoid Fever					2	2			2						
Females										2			2								1	1							
Males														Scarlet Fever															
Females																													
Males														Other Fevers															
Females																													
Males														Measles															
Females																													
Males														Whooping Cough															
Females																													
Males				1									1	Rheumatism and Gout										1					
Females																													
Males		1	1					3	1	2			8	Anæmia, including Infantile Debility	8									1					
Females						1		1				1	3		2														

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RECAPITULATION.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.

CITIES—Population, 328,810.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	1	....	2	2	1	5	37	32	23	2	1	2	108	Cholera Infantum.	84	24	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	3	....	40	40	16	1	....	1	101		84	15	2	..	....	....	....	....	....	....	....	....	....	....	..
Males..	4	5	5	10	7	4	4	....	2	2	1	6	50	Croup.....	13	33	3	1	....	...	...	....	....	....	....	....	....	....	....
Females	7	5	7	3	2	2	2	....	1	3	3	6	41		11	23	7	....	....	...	....	....	....	....	....	....	....	....	....
Males..	6	8	8	6	5	6	38	59	27	9	2	3	177	Diarrhœal Diseases	132	27	5	....	....	....	1	3	1	5	3	....	....	....	....
Females	9	6	6	5	4	5	41	53	19	5	3	3	159		106	26	....	1	1	....	3	6	3	7	5	...	....	....	1
Males..	11	11	10	9	9	9	6	12	6	4	4	14	105	Diphtheria	12	50	30	8	4	....	1	....	....	....	....	....	....	....	....
Females	24	16	12	21	9	12	15	16	7	11	3	8	154		15	68	46	12	6	6	1	..	....	....	....	....	....	....	....
Males..	1	5	4	3	2	2	2	8	13	16	9	12	77	Typhoid Fever ...	....	3	3	....	12	31	10	8	6	3	....	....	....	....	1
Females	3	2	2	2	3	6	3	3	14	15	8	1	62		1	3	5	5	4	17	8	8	7	3	1	....	....	....	....
Males..	1	....	1	2	2	1	1	....	1	1	....	1	11	Scarlet Fever	2	7	....	....	....	1	....	....	1	....	....	....	....	....	....
Females	....	....	1	2	3	1	....	....	2	....	1	....	10		2	5	3	....	....	....	....	....	....	....	....	....	....	....	....
Males..	3	2	....	1	....	1	5	....	2	1	3	1	19	Other Fevers	4	2	1	1	3	5	....	2	1	....	....	....	....	....	....
Females	1	1	2	....	2	1	2	1	1	2	1	....	14		2	4	1	2	1	....	1	..	1	2	....	....	....	....	....
Males..	....	....	2	2	2	1	...	....	....	1	2	1	11	Measles	8	1	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	1	...	....	..	1	....	1	1	1	6		5	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	1	3	2	3	1	....	2	2	1	4	1	20	Whooping Cough.	13	5	1	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	1	1	2	1	1	....	1	4	2	1	1	15		10	5	....	....	....	....	....	....	....	....	....	....	....	....	....
Males..	....	....	1	1	4	1	1	2	1	....	3	1	15	Rheumatism and Gout.....	....	1	....	....	1	1	2	2	2	5	1	....	....	....	....
Females	....	2	....	4	2	4	....	1	3	....	1	1	18		....	....	....	1	1	2	2	3	2	5	2	....	....	....	....
Males..	33	19	29	34	25	25	44	50	36	25	14	9	343	Anæmia, including Infantile Debility.	297	16	1	1	....	5	2	3	5	10	2	1	....	....	....
Females	23	24	20	28	33	24	31	41	36	14	17	18	309		228	23	6	2	6	8	10	6	5	13	2	....	....	....	....

Males .	2	1	3	3	2	1	5	4	1	2	3	2	29	Dropsy	3	....	....	1	....	5	3	4	2	6	1	3	....	....	1
Females	4	3	1	4	3	4	1	2	5	4	....	3	34		1	....	....	2	2	4	3	1	9	6	4	1	....	...	1
Males ..	8	4	5	9	2	4	6	12	4	5	6	7	72	Cancer	....	....	....	....	...	5	4	13	22	18	8	2	....	....	....
Females	7	10	8	8	12	9	9	7	8	8	3	12	101		....	...	....	....	3	7	7	24	24	22	9	2	....	....	3
Males ..	35	31	36	33	30	19	29	22	20	18	18	27	318	Phthisis	23	10	5	7	22	95	51	56	21	22	4	....	....	..	2
Females	24	20	20	20	20	21	22	24	31	22	25	23	272		13	11	2	7	28	98	41	39	21	7	1	2	....	....	2
Males ..	38	34	39	33	24	35	44	38	22	23	19	31	380	Nervous Diseases, includ. Convulsions	158	58	14	6	6	11	13	24	23	30	28	5	1	...	3
Females	13	24	28	27	27	31	27	33	26	24	16	24	300		132	46	15	3	6	15	11	7	17	17	24	7	....	....	....
Males ..	22	20	22	15	18	14	23	21	18	16	17	17	223	Heart Diseases	12	3	4	2	6	12	17	29	39	57	33	6	....	1	2
Females	16	18	18	18	22	19	24	24	20	13	17	20	229		15	4	8	7	8	8	19	23	31	52	38	12	1	....	3
Males ..	35	31	36	49	62	25	22	10	10	21	28	29	358	Pneumonia and Bronchitis	90	56	10	6	9	23	36	27	31	34	25	8	..	....	3
Females	21	22	37	30	35	25	9	9	12	12	25	21	258		76	45	4	5	5	14	21	16	17	28	23	3	1	....	....
Males ..	3	4	7	6	13	6	13	22	16	11	10	7	118	Enteritis and Gastritis	28	12	11	4	5	17	6	9	7	11	6	1	....	....	1
Females	9	11	10	2	10	11	9	9	6	5	6	11	99		11	11	4	4	3	13	17	9	9	16	2	....	....	....	....
Males ..	....	6	5	5	2	....	5	5	4	3	3	3	41	Liver Diseases	....	2	....	....	2	1	5	9	11	7	4	....	....	....	....
Females	....	2	1	1	3	2	7	2	2	....	2	2	24		3	2	....	....	....	....	2	3	5	6	2	...	....	....	1
Males ..	11	7	6	4	4	2	10	2	11	5	4	5	71	Kidney Diseases	4	2	1	2	1	6	9	11	10	9	11	5	....	....	....
Females	7	4	5	4	8	4	4	2	5	2	3	6	54		2	....	1	....	3	10	7	8	7	6	8	2	....	..	...
Females	6	2	7	9	7	2	3	4	2	2	3	1	48	Child Birth	....	....	....	....	3	28	17	....	....	....	....	....	....	....	....
Males ..	11	17	11	12	18	6	9	18	10	12	15	6	148	Old Age	....	...	....	....	....	....	....	....	....	....	83	49	15	1	...
Females	18	15	16	16	19	25	12	8	11	15	10	14	179		....	....	....	....	....	....	....	....	....	....	98	58	23	....	....
Males	8	13	4	8	8	22	9	11	10	9	7	8	117	Violent Deaths, Accidents, etc.	3	11	5	8	14	17	10	13	15	9	6	2	....	....	4
Females	1	6	3	4	1	2	2	5	2	2	..	....	28		....	3	1	2	2	3	1	4	4	4	2	2	....	....	...
Males ..	....	1	...	2	2	....	....	..	1	2	....	....	8	Suicide	....	..	....	....	....	1	2	....	2	3	....	....	....	....	....
Females	....	....	....	2	....	1	1	....	....	1	....	....	5		....	....	....	....	....	....	1	2	1	1	....	....	....	....	....
Males ..	56	36	34	34	41	42	28	35	22	34	22	32	416	Other diseases and cause not specified.	333	4	7	3	2	12	14	11	5	11	8	....	1	....	5
Females	40	22	31	29	30	28	22	26	17	12	11	27	295		210	10	4	5	5	12	13	10	16	6	3	1	....	....	....
Total Males ..	292	256	273	285	286	232	341	365	262	223	195	225	3235	Total Deaths from all causes	1219	327	103	50	88	248	186	224	204	240	223	82	17	2	22
Total Females	233	217	236	242	259	240	286	312	250	176	160	204	2815		927	305	109	58	87	245	185	169	179	208	224	90	25	....	11
Grand Total.	525	473	509	527	545	472	627	677	512	399	355	429	6050	....	2146	632	212	108	175	493	371	393	383	441	447	172	42	2	33

RECAPITULATION—CITIES—*Continued.*

Deaths by Ages, Months and Diseases, 1888.

SEX.	Months.												Total.	CITIES.	Ages.														
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	123	117	115	138	130	131	139	174	145	114	95	99	1520	Toronto	619	174	45	20	35	121	85	104	93	91	89	30	6	1	7
Females	102	91	118	101	142	123	119	146	124	88	68	97	1319		459	154	49	18	38	114	94	82	83	90	88	36	7	....	7
Males...	27	24	30	28	48	28	50	40	29	20	27	30	381	Hamilton	148	38	11	13	13	16	19	27	37	33	17	9	....	....	....
Females	20	24	27	32	26	30	35	30	27	25	29	34	339		100	33	18	9	9	28	13	28	31	26	32	7	5	....	....
Males...	66	44	49	50	43	34	85	54	21	18	24	27	515	Ottawa	232	45	24	3	10	31	26	37	22	28	38	6	2	....	11
Females	48	39	41	48	33	39	75	49	23	10	16	22	443		176	57	18	15	13	40	26	15	33	24	20	9	4	....	3
Males...	21	21	21	15	16	10	19	15	11	18	12	18	197	London	64	20	2	2	2	20	16	8	11	19	21	9	2	1	....
Females	12	15	10	17	16	13	18	23	24	16	8	12	184		53	14	8	3	8	19	19	11	10	14	19	5	1	....	....
Males...	14	16	10	7	9	3	5	13	7	6	4	13	107	Kingston	19	6	2	2	4	12	8	10	7	16	12	7	1	. .	1
Females	12	12	9	5	5	6	7	7	8	3	2	5	81		15	7	1	3	2	7	3	6	5	10	17	4	1	...	....
Males...	7	3	14	12	12	4	9	11	8	14	9	2	105	Brantford	32	8	2	2	7	9	6	5	8	11	10	3	2	....	....
Females	9	6	5	12	11	6	11	18	9	5	3	8	103		40	8	5	1	3	10	5	4	4	8	12	3	....	....	....
Males...	5	7	8	8	4	5	2	9	9	12	5	10	84	St. Thomas	26	10	4	1	2	7	4	7	5	11	3	1	....	....	3
Females	2	6	3	5	4	1	1	2	8	4	3	9	48		10	5	1	3	3	4	3	....	3	3	6	4	3	..	....
Males...	8	8	9	12	6	3	9	14	6	5	6	6	92	Guelph	27	5	3	3	6	6	5	7	6	9	10	5	....	....	....
Females	4	9	5	7	7	7	7	10	11	4	6	6	83		25	8	3	3	1	3	6	5	6	8	8	5	2	....	....
Males...	11	8	7	3	8	8	13	13	8	9	4	10	102	St. Catharines	21	9	7	1	3	11	10	12	7	9	8	3	1	....	....
Females	12	12	9	9	4	8	4	14	11	8	11	4	106		26	15	3	2	6	10	6	5	7	8	10	5	2	....	1
Males...	6	6	6	7	6	2	7	12	11	2	5	5	75	Belleville	18	3	2	1	3	10	5	4	4	8	9	5	3	....	....
Females	7	....	5	2	6	4	9	10	4	8	7	3	65		16	1	3	...	3	5	4	8	4	7	7	7	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.

BARRIE—Population, 5,387.

SEX.	Months.													CAUSE OF DEATH.	Ages.														
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	..	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	....	....	....	....	....	....	1	Croup	....	....	1	....	....	....	....	....	....	..	....	..	....	....	....
Females	....	....	....	....	...	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	1	....	....	....	....	....	1	Diarrhœal Diseases.. ...	....	1	....	....	....	....	....	....	....	....	2	....	....	....	....
Females	....	....	....	....	....	1	...	1	....	....	....	....	2		....	....	....	....	....	....	....	....	....	....		....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	1	1	Diphtheria	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	....	....	....	....	....	..	....	....	....	....	2		1	....	1	...	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	1	....	....	1	Typhoid Fever ..	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	...	...	....	....	....	....		....	....	....	....	...	....	....	....	....	....	....	..	....	....	....
Males...	...	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers.....	....	....	....	....	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	...	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	...	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	...	....	....	..	....	....	....	....	....	....	....	....	....
Males...	1	....	....	....	....	....	....	....	....	....	..	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	..	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	.	....	....	....	....	....	....	..	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	1	....	....	....	1	....	1	3	Anæmia, including Infantile Debility	3	....	....	....	....	.	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	1	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

BERLIN—Population, 6,810.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	1	2	....	....	....	....	3	Cholera Infantum.	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	2	....	....	....	....	3		3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	1	....	....	....	....	....	....	....	....	....	2	Croup	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	2	....	....	....	....	....	....	....	....	....	....	2		....	1	....	1	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	2	1	1	1	....	....	5	Diarrhœal Diseases	3	1	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	2	2	1	....	....	6		4	1	....	....	....	....	....	....	....	1	....	....	....	....	....
Males	....	....	....	....	....	1	....	....	....	....	....	....	1	Diphtheria	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	2	....	....	3		....	....	....	....	1	....	1	1	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	1	....	....	....	....	....	....	....	1	Measles	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	1	....	....	1	....	3		....	....	....	....	....	....	....	....	2	1	....	....	....	....	....
Males	....	....	....	....	....	....	2	....	....	....	....	....	2	Anæmia, including Infantile Debility	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	1	1	1	1	....	....	5		4	....	....	....	....	1	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

BRAMPTON.—POPULATION, 3,297.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	1	2	....	....	....	3	Cholera Infantum.	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	....	....	....	....	1	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever ...	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....
Females	....	..	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	2	....	....	....	....	....	....	....	....	2		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	1	1	....	....	....	....	....	2	Anæmia, including Infantile Debility	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	1	....	....	....	....	1	....	....	1	....	....	....	3		2	....	....	....	....	....	....	....	1	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

BROCKVILLE.—POPULATION, 8,826.

SEX.	Months.													CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	1	....	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	1	....	1	Croup	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	2	....	....	....	....	2	Diarrhœal Diseases	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	2	1	2	....	....	....	5		2	1	....	....	....	....	....	....	....	....	1	1	....	....	....
Males	....	....	....	....	....	....	....	....	....	1	1	....	2	Diphtheria	....	....	....	....	1	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	1	....	....	1	....	....	2	Typhoid Fever	....	....	....	....	....	....	1	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	1	....	....	2		....	....	1	....	....	1	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	1	....	....	2	Other Fevers	....	....	....	....	....	1	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	....	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	....	....	....	1	3	2	....	....	7	Anæmia, including Infantile Debility.	6	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Females	1	2	....	....	....	1	1	1	1	....	....	....	7		6	....	....	....	....	....	....	1	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

CHATHAM.—Population, 8,329.

SEX.	MONTHS. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	CAUSE OF DEATH	AGES. Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...														Cholera Infantum.															
Females									1				1		1														
Males...		1										1	2	Croup	1			1											
Females																													
Males...								3	2				5	Diarrhœal Diseases	4	1													
Females									1				1		1														
Males...								1			1		2	Diphtheria			2												
Females																													
Males...												1	1	Typhoid Fever							1								
Females	1				1								2									2							
Males..														Scarlet Fever															
Females				2	1								3			2	1												
Males...														Other Fevers															
Females																													
Males...														Measles															
Females									1				1			1													
Males...														Whooping Cough.															
Females																													
Males...														Rheumatism and Gout															
Females																													
Males...									1		1		2	Anæmia, including Infantile Debility	1						1								
Females								1					1		1														

Exhv.

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

COBOURG.—POPULATION, 4,692.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Cholera Infantum.	1	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	4	..	....	....	....	4		4	....	....	....	....	....	....	....	....	....	....	....	....	....	....
ales	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	....	....	....	1	Diarrhœal Diseases	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	..	....	1	....	....	....	....	1		1	....	....	....	....	..	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	1	....	....	1	Typhoid Fever	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	.	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	1	....	1	2	Whooping Cough	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	..	....	....	....	1	....	....	....	....	....	1	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	....	....	1	....	....	2	4	Anæmia, including Infantile Debility	3	....	....	....	....	....	....	....	1	....	....	....	....	....	....
Females	....	1	....	1	....	....	....	....	....	1	....	....	3		2	1	....	....	....	....	....	....	....	....	....	....	....	....	....

CXLVI.

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

CORNWALL—Population, 6,402.

SEX.	Months.													CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..														Cholera Infantum.														
Females								1					1		1														
Males..							1			1			2	Croup		2												
Females																												
Males..									1				1	Diarrhœal Diseases	1													
Females							2	2	1				5		4	1												
Males..							2	1		1			4	Diphtheria		2	2											
Females									1	2		1	4				4											
Males..														Typhoid Fever														
Females																												
Males..														Scarlet Fever														
Females																												
Males..														Other Fevers														
Females																												
Males..			1										1	Measles	1													
Females																												
Males..														Whooping Cough														
Females																												
Males..														Rheumatism and Gout														
Females																												
Males..		1				1		1	1				4	Anæmia, including Infantile Debility	4													
Females			1	2		2		1	1				7		5	1						1						

Cxlviii.

xxlix.

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

GALT.—POPULATION, 7,162.

SEX.	MONTHS. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	CAUSE OF DEATH	AGES. Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	1	1	1	....	....	3	Cholera Infantum.	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	1	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	2	4	....	....	....	....	6	Diarrhœal Diseases	3	....	....	....	....	....	1	....	....	....	2	....	....	....	....
Females	....	....	....	....	....	....	....	1	1	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	1	2		....	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	....	....	....	1	Typhoid Fever	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	2	1	....	....	3		....	....	....	....	....	2	....	1	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	1	....	....	....	1	Whooping Cough.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	....	....	1	....	....	....	....
Males	1	....	1	....	....	....	....	....	1	1	....	1	5	Anæmia, including Infantile Debility	5	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

LINDSAY—Population, 5,789.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	2	....	....	....	....	....	1	....	....	....	3	Cholera Infantum.	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	2	....	....	....	....	....	....	....	....	....	2	Scarlet Fever	....	2	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough .	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	....	....	....	....	....	1	....	....	....	....	....	3	Anæmia, including Infantile Debility	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

NAPANEE—Population, 3,201.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	2	....	....	....	....	....	2	Cholera Infantum.	2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	1	....	....	....	1	....	1	....	....	4	Diarrhœal Diseases	3	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	1	....	....	....	....	....	....	....	....	....	1		....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Anæmia, including Infantile Debility.	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

OWEN SOUND.—POPULATION, 6,359.

SEX.	MONTHS. January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	CAUSE OF DEATH	AGES. Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...														Cholera Infantum.															
Females																													
Males...														Croup															
Females																													
Males...														Diarrhœal Diseases															
Females				1							1		2		1				1										
Males...		1											1	Diphtheria					1										
Females																													
Males...										1	2	1	4	Typhoid Fever						2	2								
Females																													
Males...														Scarlet Fever															
Females																													
Males...									1		1		2	Other Fevers			1		1										
Females																													
Males...														Measles															
Females																													
Males...														Whooping Cough															
Females																													
Males...					1								1	Rheumatism and Gout										1					
Females																													
Males...			2			1		3	1	1		1	9	Anæmia, including Infantile Debility.	9														
Females	1			1				1					3		3														

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.—*Continued.*

PEMBROKE.—Population, 4,146.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...														Cholera Infantum.														
Females					1								1		1														
Males...														Croup														
Females											1		1		1														
Males...	1								1				2	Diarrhœal Diseases	1	1													
Females	1				1	1	1	1				2	7		7														
Males...	2						1						3	Diphtheria		3													
Females																													
Males...														Typhoid Fever														
Females																													
Males...														Scarlet Fever														
Females		1											1			1													
Males...														Other Fevers														
Females																													
Males...														Measles														
Females																													
Males...	1												1	Whooping Cough.	1														
Females																													
Males...														Rheumatism and Gout.														
Females																													
Males...														Anæmia, including Infantile Debility														
Females				1		1	1						3		2						1								

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PERTH—Population, 3,976.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	..	....		.	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	..	....	....	....	..	Croup	....	....	..	....	....	..	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	1	....	....	....	....	1	Diarrhœal Diseases	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	..	....	....	....	1	1	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	..	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	..	....	..	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever ..	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	1	1		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	.	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	..	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	..	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	.	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	..	....	....	....	....	....	Rheumatism and Gout.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	....	....	....	...	....	....	....	....	2	3	Anæmia, including Infantile Debility	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	3	....	1	....	1	1	....	....	....	7		6	1	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PETERBOROUGH—Population, 8,989.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males..	....	....	....	....	....	....	....	1	....	....	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	1	1	....	1	..	....	3	Diarrhœal Diseases	3	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	.	.	....	....	....	....	....	1	1	1	....	....	3		1	1	....	....	..	....	....	....	....	1	....	....	....	....	....
Males ..	....	....	2	....	....	1	....	....	....	....	....	1	4	Diphtheria	....	3	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	1	1	....	....	....	....	....	....	....	....	2	5		2	1	1	1	..	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Typhoid Fever ...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	1	....	....	2		....	....	....	....	....	....	1	....	1	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	1	....	....	....	1	Other Fevers.....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	3	....	....	2	2	2	....	1	1	11	Anæmia, including Infantile Debility	11	....	.	....	....	....	....	....	....	....	..	....	....	....	....
Females	...	.	....	1	1	....	....	2	....	....	1	1	6		5	1	....	.	..	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS, AND DISEASES, 1888.

PICTON.—Population, 3,000.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.														
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	..	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diphtheria	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	1	....	1	Typhoid Fever	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	....	....	....	....	1	....	1	2		....	1	....	....	1	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	...	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	..	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	....	1		....	....	....	....	....	....	....	..	....	....	1	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	...	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	..	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	...	....	....	....	....	....	...	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	2	....	....	....	2	Anæmia, including Infantile Debility.	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	1	....	....	....	....	....	....	1	....	...	....	2		1	1	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

PORT HOPE.—Population, 5,161.

SEX.	MONTHS.												Total.	CAUSE OF DEATH	AGES.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	1	....	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Croup.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Diarrhœal Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
Males...	....	....	1	....	....	....	....	....	1	....	....	....	2	Diphtheria	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	1	....	....	....	....	....	....	1	Typhoid Fever....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Females	....	....	....	....	....	2	....	....	....	....	....	....	2		....	....	....	....	....	....	....	....	2	....	....	....	....	....	....
Males..	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	1	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	..	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	1	....	....	1		1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	....	....	....	....	1	Rheumatism and Gout.....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	1	1		....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
Males...	1	....	1	....	....	....	....	....	....	....	....	....	2	Anæmia, including Infantile Debility	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

WHITBY.—POPULATION, 2,886.

SEX.	Months.													CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	...	Cholera Infantum.	....	....	....	....	...	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	...		....	....	....	....	...	....	....	....	....	....	....	....	....	....	....
Males...	1	....	....	1	....	....	....	....	....	....	....	1	3	Croup	....	1	2	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	1	...	1		...	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	...	....	....	....	....	....	....	1	....	....	....	1	Diarrhœal Diseases	1	...	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	1	....	3	1	....	....	....	....	....	....	....	6	Diphtheria	....	1	4	1	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	.	....	Typhoid Fever ...	....	....	....	....	....	..	....	....	....	....	....	....	....	....	....
Females	....	..	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever.....	....	....	....	....	....	....	..	....	....	....	....	....	....	....	....
Females	....	....	..	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	..	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	...	....	....	...	....	....	....	...	....	....	Measles	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	..	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	..	....	....	....	....	....	....	....	....	....	....
Females	....	...	....	....	....	....	....	...	....	..	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	...	....	..	....	....	Rheumatism and Gout	....	....	....	....	....	...	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	..	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	...	1	....	....	....	1	....	2	Anæmia, including Infantile Debility	2	....	....	..	....	....	....	..	....	....	....	....	....	....	....
Females	....	....	....	1	....	....	....	....	1	....	....	....	2		1	....	....	...	....	1	....	....	....	....	....	....	....	....	....

Males	1												1	Dropsy													1											
Females																																						
Males														Cancer																								
Females																																						
Males	1	1	1										3	Phthisis					1	2																		
Females								1		1	2	1	5							1	2	2																
Males							1						1	Nervous Diseases, including Convulsions	1																								
Females			1				1	1					3		1													2										
Males			2					1					3	Heart Diseases														3										
Females											1		1													1												
Males		1		2	1								4	Pneumonia and Bronchitis	1					1								1	1									
Females					1					1			2		1								1															
Males							1	1					2	Enteritis and Gastritis	2																								
Females			1										1															1										
Males														Liver Diseases																								
Females																																						
Males														Kidney Diseases																								
Females																																						
Females														Child Birth																								
Males					1				1		1		3	Old Age														1	2								
Females	1												1															1									
Males														Violent Deaths, Accidents, etc.																								
Females																																						
Males					1								1	Suicide						1																		
Females																																						
Males			1									1	2	Other diseases and cause not specified.	1	1																						
Females	1		1										2		2																						
Total Males	4	3	4	6	4		3	2	2		2	2	32	Total Deaths from all causes	8	3	6	1	1	4				4	3	2												
Total Females	2		3	2	1		1	2	1	1	5	1	19		5	2				2	2	2	2	2	2												
Grand Total	6	3	7	8	5		4	4	3	1	7	3	51		13	5	6	1	1	6	2	2	2	6	5	2											

TABLE F.—TOWNS.—DEATHS BY AGES, MONTHS AND DISEASES, 1888.

WINDSOR—Population, 9,041.

SEX.	Months.													CAUSE OF DEATH.	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	....	....	....	....	....	....	....	....	....	....	....	....	....	Cholera Infantum.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	1	..	..	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	..	....	....	....	....	....	....	....	....	....	....	....	Croup	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	2	....	....	....	....	....	....	....	....	....	....	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	...	1	3	1	....	....	5	Diarrhœal	1	1	....	....	....	....	....	....	1	2	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1	Diseases.. .	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	1	....	1	....	....	....	....	....	....	....	....	2	Diphtheria	....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	1	....	1	Typhoid Fever ..	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	..	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	1	....	....	....	....	....	....	....	....	1	Scarlet Fever.....	...	1	....	....	....	....	....	....	....	....	....	....	....	..	....
Females	....	....	3	2	....	....	....	....	....	....	..	....	5		....	3	2	...	....	....	....	....	....	....	....	....	....	....	....	....
Males...	...	....	....	....	1	....	....	....	....	1	....	....	2	Other Fevers.....	....	1	....	1	....	....	..	....	....	....	....	....	..	....	....
Females	....	....	....	....	...	....	..	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	...	....	1	....	....	....	....	....	....	1	Measles	....	1	....	....	....	....	....	..	....	....	....	....	....	.	....
Females	....	....	....	....	....	....	....	....	....	....	....	..	....		....	..	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	....	....	.	1	1	Whooping Cough.	....	1	..	....	....	....	....	....	....	....	....	....	....	....	....
Females	..	....	....	....	....	...	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	....	....	....	....	....	....	....	....	1	....	....	....	1	Rheumatism and	...	....	....	....	....	....	....	...	1	....	....	....	....	....	....
Females	....	....	.	....	....	....	....	...	....	..	....	....	....	Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	1	1	1	....	1	....	1	..	....	3	2	11	Anæmia, including	8	....	....	....	..	....	....	...	3	....	....	....	....	....	....	....
Females	1	....	....	1	....	1	3	....	2	....	1	....	9	Infantile Debility	5	....	....	....		1	....	....	....	3	....	....	....	....	....	....

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TABLE F.—TOWNS.—DEATHS, BY AGES, MONTHS AND DISEASES, 1888.—*Continued.*

WOODSTOCK—Population, 8,314.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	Febrary.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males	....	....	....	....	....	....	....	1	....	....	....	....	1	Cholera Infantum.	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	1	....	1	....	....	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	1	....	....	....	....	....	....	....	....	....	....	1	Croup	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	....	....	....	....	....	....	....	....	....	1		....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	2	....	....	....	....	2	Diarrhœal Diseases	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	1	....	....	....	....	....	1		....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	3	....	....	....	....	....	....	....	....	....	....	2	5	Diphtheria	....	3	1	1	....	....	....	....	....	....	....	....	....	....	....
Females	3	....	1	1	....	....	....	1	....	....	....	1	7		....	3	2	1	....	....	1	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	1	....	....	4	....	....	....	5	Typhoid Fever	....	1	....	....	1	2	1	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	....	....	....	1	1	....	....	3		....	....	1	....	1	....	....	....	....	....	1	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Scarlet Fever	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Other Fevers	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	....	....	....	....	1		....	....	....	....	....	....	1	....	....	....	....	....	....	....	....
Males	1	....	....	....	....	....	....	....	....	....	....	....	1	Measles	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....
Females	1	....	....	1	....	....	....	....	....	....	....	....	2		....	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Whooping Cough.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	....	....	....	....	....	....	....	....	....	....	....	....	....	Rheumatism and Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	....	....	....	....	....	....		....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males	1	1	1	2	....	....	1	....	1	1	....	1	9	Anæmia, including Infantile Debility	5	2	....	....	....	....	....	1	....	1	....	....	....	....	....
Females	....	....	1	....	....	....	1	2	....	2	....	1	7		5	2	....	....	....	....	....	....	....	....	....	....	....	....	....

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RECAPITULATION.

Total Deaths by Ages, Months and Diseases in the principal Towns in 1888.

Total Population, 111,767.

SEX.	Months.												Total.	CAUSE OF DEATH	Ages.													
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.			Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males ..	....	....	2	....	....	....	3	8	4	1	....	....	18	Cholera Infantum	17	1	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	....	....	....	1	2	3	11	3	1	....	....	21		21	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	2	3	1	1	....	....	1	..	....	1	1	2	12	Croup	1	7	3	1	....	....	..	..	....	....	....	....	....	....	....
Females	1	5	....	....	1	...	....	....	....	....	2	....	9		1	6	1	1	....	....	....	....	....	....	....	....	....	....	....
Males	2	....	....	2	..	....	6	16	10	4	....	....	40	Diarrhœal	24	8	....	....	....	....	1	1	1	3	2	..	....	....	....
Females	1	....	..	1	1	2	8	10	9	4	1	2	39	Diseases	26	5	....	....	1	...	....	...	....	4	1	2	...	....	..
Males ..	4	5	3	4	1	2	2	3	1	2	2	4	33	Diphtheria	1	14	13	2	2	....	...	1	....	..	....	....	....	....	....
Females	5	2	2	2	....	....	....	1	3	2	....	5	22		3	6	10	2	....	1	....	....	....	....	....	....	....	....	....
Males ..	....	....	....	....	....	2	1	..	5	4	4	2	18	Typhoid Fever	....	1	....	....	1	7	6	2	....	1	....	....	....	....	....
Females	2	....	1	....	2	2	....	1	4	8	....	2	22		....	1	2	....	5	4	2	4	3	....	1	....	....	....	....
Males ..	....	....	2	1	....	....	....	....	....	....	....	....	3	Scarlet Fever	....	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	....	2	3	4	1	....	....	....	....	....	....	....	10		....	7	3	....	....	....	....	....	....	....	....	....	....	....	....
Males ..	...	....	....	...	1	....	....	....	1	2	....	....	4	Other Fevers	....	1	....	1	...	1	....	1	....	....	....	....	....	....	....
Females	....	....	....	....	....	....	....	1	2	...	2	1	6		....	2	1	....	1	....	1	....	...	....	1	....	....	....	....
Males ..	1	....	1	....	1	1	....	....	....	....	....	..	4	Measles	1	3	....	....	....	.	....	....	....	....	....	....	....	....	....
Females	1	....	....	3	1	....	....	...	1	....	....	....	6		1	3	2	....	....	....	....	....	....	....	....	....	....	....	....
Males...	2	....	....	....	....	....	....	....	1	1	....	2	6	Whooping Cough	3	3	....	....	....	....	....	....	....	....	....	....	....	....	....
Females	...	1	....	....	....	....	....	....	.. .	1	....	....	2		2	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Males...	1	....	1	1	....	1	....	1	....	....	....	....	5	Rheumatism and	....	....	....	....	....	1	....	2	....	1	1	....	....	....	....
Females	....	1	1	....	1	....	1	....	....	....	1	1	6	Gout ...	....	....	....	....	....	....	....	2	1	2	1	....	....	....	....
Males...	6	5	6	6	....	6	8	8	13	6	6	11	81	Anæmia, including	68	4	....	....	....	1	1	1	4	2	....	....	....	....	....
Females	4	6	3	12	1	7	9	10	10	4	2	2	70	Infantile Debility.	52	7	....	...	....	2	1	2	2	4	....	....	...	....	....

| | | |

RECAPITULATION.

Total Deaths by Ages, and Months in the principal Towns in 1888.

TOTAL POPULATION, 111,767.

SEX.	MONTHS.													TOWNS.	AGES.												
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.		Under 1 year.	1 to 5.	5 to 10.	10 to 15.	15 to 20.	20 to 30.	30 to 40.	40 to 50.	50 to 60.	60 to 70.	70 to 80.	80 to 90.	90 to 100.	100 and over.	Unknown.
Males...	3	4	1	5	2	3	2	....	2	5	3	3	33	Barrie	7	2	2	....	....	....	3	4	....	....	4	8	3	....	...
Females	5	4	4	2	2	3	1	1	2	1	1	1	27		4	1	2	1	1	1	4	3	2	2	....	5	1	....	...
Males...	4	2	7	1	5	4	8	4	3	1	2	6	47	Berlin	14	7	1	....	....	1	1	4	1	2	9	6	1	....	....
Females	6	4	3	2	1	5	7	6	5	4	4	6	53		16	6	2	1	3	6	3	2	3	5	3	3	....	....	...
Males...	3	4	2	7	7	1	3	4	4	8	4	1	48	Brampton	10	2	....	1	3	3	5	3	3	9	4	3	1	....	1
Females	7	5	2	4	1	3	3	3	5	6	2	2	43		6	1	2		....	5	3	6	4	3	9	4	....	....	....
Males...	4	5	4	4	3	4	3	5	13	12	3	2	62	Brockville	11	5	...	1	4	10	6	8	2	1	10	3	1	....	..
Females	4	8	4	4	3	10	8	8	10	6	3	2	70		13	7	4	1	7	10	5	2	6	3	4	8	....	....	....
Males...	4	5	3	7	6	3	3	10	5	2	5	3	56	Chatham	14	4	3	4	2	5	6	5	3	5	3	1	....	1	....
Females	3	2	....	8	6	8	1	3	3	5	3	4	46		7	7	2	1	2	9	5	5	1	2	1	4	....	....	....
Males...	4	4	1	3	2	1	6	1	8	4	....	3	37	Cobourg	7	2	2	....	2	4	2	1	1	6	5	5	....	....	....
Females	2	8	1	6	1	....	2	6	...	1	1	1	29		9	1	....	1	1	2	1	1	1	3	5	4	....	....	....
Males...	2	2	6	4	2	3	7	2	5	2	3	1	39	Cornwall	12	6	5	1	2	4	1	...	1	2	2	3	....	....	....
Females	....	2	4	2	2	6	2	6	7	2	2	1	36		14	3	4	1	....	4	1	2	2	1	3	1	....	....	....
Males...	6	2	9	4	9	3	6	8	7	8	2	3	67	Galt	25	8	...	1	1	2	5	6	6	2	6	3	2	....	....
Females	1	3	5	4	5	2	3	4	8	7	6	5	53		12	2	4	1	....	7	6	2	7	6	4	1	1	....	....
Males...	2	2	5	4	4	1	2	3	2	1	2	2	30	Lindsay	14	7	1	....	....	1	1	1	1	....	3	....	....	....	1
Females	2	4	2	5	3	....	1	2	2	2	3	3	29		4	1	....	2	....	6	3	2	....	3	1	5	1	1	....

Males...	3	8	2	3	....	1	4	2	1	3	1	4	32	Napanee	7	1	....	....	....	2	4	3	1	7	4	2	1	....	....
Females	3	4	4	4	1	1	2	2	3	....	....	....	24		....	1	....	....	2	3	2	....	1	6	6	3	....	....	....
Males...	2	5	7	3	3	2	....	5	3	7	4	8	49	Owen Sound....	18	1	1	1	3	6	3	3	2	4	3	2	2	....	....
Females	3	3	6	7	3	5	1	2	3	5	4	3	45		12	3	1	....	1	4	5	1	5	5	6	1	1	....	....
Males...	2	5	1	1	1	3	1	2	5	3	....	....	24	Pembroke	9	5	....	1	1	3	1	1	1	....	....	1	1	....	....
Females	4	1	2	2	3	2	3	3	3	3	3	4	33		18	1	....	....	....	1	3	4	2	1	1	2	....	....	....
Males...	1	2	5	3	4	3	1	3	1	4	4	5	36	Perth	11	1	2	...	1	4	2	2	3	3	4	3	....	....	....
Females	1	3	3	8	....	2	2	1	3	2	1	2	28		12	3	....	1	2	2	1	3	1	2	1	....	....	....	....
Males...	1	3	11	10	1	5	9	7	7	2	3	4	63	Peterborough...	28	5	4	1	....	....	4	4	4	4	2	6	1	....	....
Females	1	2	10	8	3	3	1	9	4	5	5	6	57		13	7	1	3	5	1	6	3	7	4	5	2	....	.. .	....
Males...	1	4	3	2	2	3	1	3	4	1	5	1	30	Picton	1	4	1	....	....	3	7	4	3	....	4	2	1	....	....
Females	....	4	1	3	1	....	1	3	4	1	2	3	23		2	2	1	....	1	2	4	4	1	1	3	2	....	....	....
Males...	2	3	3	3	....	3	....	2	3	....	1	6	26	Port Hope	5	1	2	....	....	3	....	1	....	6	6	2	....	....	....
Females	1	3	....	1	2	4	1	1	3	3	3	3	25		2	1	....	....	1	3	2	1	4	4	4	3	....	....	....
Males...	4	3	4	6	4	....	3	2	2	....	2	2	32	Whitby	8	3	6	1	1	4	....	....	....	4	3	2	....	....	....
Females	2	....	3	2	1	....	1	2	1	1	5	1	19		5	2	....	....	....	2	2	2	2	2	2	....	....	....	....
Males...	2	7	5	6	1	4	2	4	6	7	7	4	55	Windsor	19	7	1	2	3	1	1	4	8	3	4	2	....	....	....
Females	2	7	6	7	1	7	12	4	2	3	8	3	62		20	7	4	....	1	8	6	5	5	5	1	....	....	....	....
Males...	9	7	5	4	9	4	6	6	10	2	2	4	68	Woodstock	9	13	4	5	2	5	5	9	4	3	5	3	1	....	....
Females	9	5	7	4	2	4	4	10	6	5	....	2	58		14	10	6	3	5	6	3	2	2	1	4	2	....	....	....
Total Males...	59	77	84	80	65	51	67	73	91	72	53	62	834	Total deaths from all causes.	229	84	35	19	25	61	57	63	44	61	81	57	15	1	2
Total Females	56	72	67	83	41	65	56	76	74	62	56	52	760		183	66	33	16	32	82	65	50	56	59	63	50	4	1	....
Grand Total.	115	149	151	163	106	116	122	149	165	134	110	114	1594	.....	412	150	68	35	57	143	122	113	100	120	144	107	19	2	2

H. S. CREWE, *Inspector.*

ANNUAL REPORT

OF THE

ONTARIO AGRICULTURAL

AND

EXPERIMENTAL UNION,

1889.

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY.

TORONTO:
PRINTED BY WARWICK & SONS, 68 AND 70 FRONT STREET WEST,
1889.

ONTARIO

AGRICULTURAL AND EXPERIMENTAL UNION

To the Hon. Charles Drury, Minister of Agriculture :

Dear Sir,—I have the honor to submit herewith the annual report of the Ontario Agricultural and Experimental Union for the year 1888-9. As the report will show the present success of the Association, and also the experimental work done by members during the past year, any remarks on my part will be unnecessary.

Respectfully,

C. A. ZAVITZ.

Agricultural College,
Guelph, May 1, 1889.

CONSTITUTION.

Article I.—Name.

This organization shall be known as "The Ontario Agricultural and Experimental Union."

Article II.—Object.

The object of this Association shall be to form a bond of union amongst the officers and students, past and present, of the Ontario Agricultural College and Experimental Farm, to promote their intercourse with the view of mutual information; to discuss subjects bearing on the wide field of agriculture, with its allied sciences and arts; to conduct experiments in this field in union as far as possible, or by individual efforts; to secure the co-operation of the agriculturists of the province in this work; and to meet at least once annually to hear papers and addresses delivered by competent parties and to report upon the labors of the past year.

Article III.—Membership.

All officers and students of whatever time shall be entitled to become members of the Union, on payment of the annual fee, 50 cents, and these shall be entitled to vote, hold office and discuss any question before the Association. The Hon. the Commissioner or Minister of Agriculture for the Province of Ontario, the presidents for the time being of the various agricultural societies and farmers' institutes of Ontario, and such parties as the association deem it advisable to appoint, shall be honorary members of the Union.

Article IV.—Officers.

The Officers of this Association shall consist of an Hon. President, President, Vice-President, Recording Secretary-Treasurer, Corresponding Secretary, Editor of Transactions, two Auditors, one District Secretary for each of the ten districts, and a Committee on Experiments, who shall hold office for one year, or until their successors are elected.

Article V.—Meetings.

The Union shall meet annually at the Ontario Agricultural College for one or more days, at the call of the President and Secretary.

Article VI.—Vacancies in Office.

Vacancies in office by death, resignation, or otherwise shall be filled by the Executive Council until the next Annual Meeting.

Article VII.—Amendments.

This Constitution may be amended at any annual meeting, by a two-thirds vote of all the members in attendance.

BY-LAWS.

ARTICLE I.—The officers of this Association shall be elected by a majority ballot, or, if so decided, by a two-thirds majority of those present; the officers may be elected by a show of hands.

ARTICLE II.—It shall be the duty of the President to open and preserve order in all meetings of the Association; to call for all reports of officers and standing committees; to put to vote all motions regularly seconded; to decide upon all questions of order, according to the Constitution and By-laws of the Association, and in accordance with parliamentary usage; to provide for the counting of votes at all elections; at expiration of his term of office to deliver an address before the Association; and to appoint committees unless otherwise decided by a special resolution.

ARTICLE III.—It shall be the duty of the Vice-President in the absence of the President, or in the absence of both it shall be the duty of the chairman elected by the Association to perform the duties of the President.

ARTICLE IV.—The Recording Secretary-Treasurer shall keep the minutes of the general meetings of the Union, read the same, call the names of the members of the Association at the opening of each annual meeting, receive the annual dues, and keep account of all receipts and disbursements.

ARTICLE V.—The Corresponding Secretary shall conduct all correspondence in regard to membership, general meetings, and all the business of the Executive Council, for which purpose he shall be *ex-officio* a member of that Council.

ARTICLE VI.—The Editor shall receive, revise and attend to the publication of such addresses, articles or papers as may be authorised for publication in the transactions of the Union.

ARTICLE VII.—It shall be the duty of the Auditors to audit all accounts before the general annual meeting.

ARTICLE VIII.—It shall be the duty of the District Secretary to make out a list of names and post-office addresses of all agriculturists he thinks might either assist the Union in experimental work or attend the annual meeting of the Association, and forward it to the Corresponding Secretary; to write personally to any whose interest he may secure in that way, and to write letters by January 1st of each year to a few of the leading papers in his district, setting forth the objects of the Union and the date and place of annual meeting.

ARTICLE IX.—It shall be the duty of every member *throughout the year* to advance the interests of the Union as far as may lie in his power, to report the result of at least one experiment if at all possible, and to invite any agriculturist that he may come in contact with who would be at all likely to attend the annual meeting or assist in experimental work.

ARTICLE X.—The Association shall be governed as far as possible by the following order of business:

Call to Order.
Reading the Minutes of the last Annual Meeting.
Calling the Roll of Officers and Members.
Reception of New Members.
Collection of Annual Dues.
Secretary's Report.
Treasurer's Report.
Report of Standing Committees.
President's Address.
Miscellaneous Business.
Discussion of Topics.
Election of Officers.
Installation of Officers.
Adjournment.

ARTICLE XI.—The Executive Council shall consist of the officers of the Union for the time being, excluding Auditors. Its duties shall be to prepare a programme for annual meetings, invite and arrange with parties for the reading of papers, pass the annual report before printing, and transact such other work as has been indicated for it in this Constitution, or which may be hereafter authorised by the general meetings.

ARTICLE XII.—In all other matters such as motions, etc., at the annual general meeting, the Union shall be governed by Todd's Parliamentary Usage.

ARTICLE XIII.—These By-laws may be amended by a two-thirds majority of all the members present at the annual general meeting.

The Experimental Committee.

It shall be the duty of the Experimental Committee to decide upon the course of experiments for each year, to purchase and distribute the seeds and fertilizers to be used by experimenters, and to receive and compile the reports and submit them to the annual meeting.

TENTH ANNUAL MEETING

OF THE

ONTARIO

AGRICULTURAL AND EXPERIMENTAL UNION.

The tenth annual meeting of the Ontario Agricultural and Experimental Union opened at 8.30 a.m., February 7th, 1889. The President, F. J. Sleightholm, Humber, Ont., occupied the chair.

The minutes of last meeting were read by the Recording Secretary and adopted, and the committees on experiments on agriculture, horticulture, dairying and bee-keeping reported in a general way. Following is the

TREASURER'S REPORT.

	Dr.	Cr.
To Amount on hand	$51 05	
" Government grant	150 00	
" Extra subscriptions by members	12 50	
" Membership fees	36 00	
By Grains, fertilizers, printed forms, expressage, postage, etc		$144 98
" Postage to corresponding secretary, district secretaries and secretary-treasurer		18 03
" Printing circulars, programmes and reports		30 15
" Reporting meeting (W. Galbraith)		15 30
" Editing reports		35 00
" Balance on hand		6 09
	$249 55	$249 55

THE PRESIDENT'S ADDRESS.

Gentlemen,—It is with feelings of the deepest pleasure that I call to order the tenth annual meeting of the Ontario Agricultural and Experimental Union, under circumstances so favorable as those under which we are convened. Allow me in commencement to extend the hand of welcome to our honorary president, to my brother officers and to the members of this growing Union. This meeting should be and is a bond between our collegiate and our agricultural life—to the former a continuation of scholastic privileges, to the latter a deepening and widening of our professional knowledge—just another step in the great agricultural stairs which slope through the valleys of primeval darkness up to perfection's heights in the agriculture that is to be. I am glad to see here so many who understand something of the force of this organization as an educator in our professional life. With all sincerity would I welcome those who have so kindly lent their assistance in our

experimental work. As co-laborers in our endeavor to establish some facts worthy of the agricultural text-book of our province I welcome you, and on behalf of this Union I extend our hearty thanks to you for your assistance, and would respectfully ask for a continuation of the same. To those of the friends of our organization who have helped us at our annual meetings by their presence, timely words and willing counsel we also extend a welcoming hand. We have need of your help, and I trust we shall appreciate it as it deserves. To all who come we bid sincerest welcome. To the honorary members of our Union, of whatever club, society or association, the representatives of the rapidly advancing agricultural press of this province, the representatives of the local and provincial press of this province, and to all those identified in any way with the true interest of the agricultural life of our Dominion, we offer the welcoming word and hand. The past history of this Union has been a growing one; never at any time bounding forward with giant-like strides, but "ever onward" has been the motto, the pace a steady but a certain one. Our minds, however, should rest on past history only that the mistakes relevant to a crudity of development may be clearly seen and their recurrence averted. Before this meeting closes we hope to trample under foot many past errors of our union life, and to establish our organization on a still surer foundation. I have noticed a tendency on the part of some to forget the foundational part of our organization—its experimental work. This is a great mistake. Our work is essentially experimental in all its details, and in this work we can, if careful and persistent, establish an imperishable light for the guidance of our fellows in the profession. The thorough development of the real value and consequent usefulness of our own mineral fertilizers would prove an immense boon to the Ontario farmer. This work it is ours to do. We can claim to be the first to have launched a ship of any magnitude to carry this experimentally gained knowledge, properly proved and attested, to the intelligences of our Canadian yeomanry, and it rests with ourselves whether we shall continue to supply the personnel and materiel necessary to ensure successful sailing, or whether we shall leave the partially-manned and fitted shell for others to equip, and allow them to carry on their shoulders the laurels which, if duty be done, shall rest on ours. But from past history let our attention be drawn to present progress, and to the possible and probable future in store for the Union. Is it not possible to extend our experimental work beyond the strictly agricultural? I think it is; more, I think it advisable. We are not all of one mind in matters of this kind. No two minds run exactly in the same channel, and any work not in line with the bent of the individual will be undertaken with more or less apathy. An extension to other lines of work would at least partially obviate this difficulty, and when we look abroad upon the increasing importance and vastness of our live stock interests it is evident that the extension should be in the line of stock-rearing. This may be done without adding any material expense to the Union, and I hope before the close of the meeting that the matter will be more fully elaborated. I therefore leave it in the hands of the meeting to develop the subject as its importance deserves, while we direct our attention for a moment or two to another matter—the work of our sister institutions in the business of experimentation. There are to-day beside the one with which we stand identified five experimental stations in this Dominion, evidence that the importance of the work is being at least partially acknowledged. All of these are of recent establishment, but they should know of the work which we are endeavoring to carry on here. I would make the suggestion that the officers of the Union for the coming year make it their especial duty to ask the co-operation of our fellow institutions in our work of experimentation. "Union is strength" is an indisputable dictum, and one we should more fully endeavor to have realised. They should be made fully acquainted with the work being undertaken by us. Our yearly reports should be in their hands. Before this meeting closes I think we as a body should also by a resolution express our sympathy and co-operation with the work in hand of our fellow experimentalists. But what is our duty in connection with our own special work? Are we up to our place or to our time? Are we abreast of the age, or of our profession's requirement in this the borderland of the last decade of the nineteenth century? Are we preparing to take a foremost stand in our life's work in the years that are to come? Shall we, when 1900 looms upon the agricultural horizon, be ten years nearer perfection's goal? I have spoken of our fellows in the work; they are advancing

with might and main, and shall we with the aid our position affords us, and the expectancy with which our country looks to us, be found in the rear ranks of the advancing file? Not so. Our country has a right to expect that those who have been privileged with a higher education than the masses should take a foremost stand in matters relating to our professional advancement. But, says someone, we are hemmed in by barriers of no mean significance, our finances are not on a to-be-desired basis, the opinions and actions of the legislative body of this province have not accorded as fully with our own as we could wish, and the full development of our work has to this extent been retarded. While I acknowledge these things, and while I think I understand something of the weight which is thus bearing upon us, I yet think it weak and impolitic to bow under any exterior forces. While among ourselves there is unity and determination to succeed, the battle shall be won. I do not think the Ontario Legislature void of discrimination in matters of this kind. Let us as a Union prove more fully than before, by well directed effort and intelligently conducted experiment, our right and title as one of the first among agriculture-advancing, country-upbuilding, and support-deserving institutions to their liberal and freely-accorded assistance, and I feel perfectly justified in saying that the discreet open-handedness of our legislature will not be found laggard in granting our request. Be this as it may, our duty as members of a body who labor for their country's good is plain. "Ever onward" must be our motto. I hold that the agricultural stands first among professions, and we of this Union are its representatives. Let us then work as those should work who are identified with the first industry of the nation. And let me say that the members of this Union are too much inclined to leave the burden bearing to its officers. Each individual should put his shoulder to the wheel, and his own quota of strength to the general good. Let each one of us as members of a common body, laboring in a common work and striving for a common goal, combine energy and perseverance, and the results will be most gratifying. In the work of this meeting let the commencement be made. Unoccupied time is a ban upon the work, a stigma upon our mentality. Matter for thought will be in plenty—

"For the structure that we raise,
Time is with material filled,
Our to-days and yesterdays
Are the blocks with which we build."

A committee consisting of R. F. Holtermann, E. Lick, C. J. Brodie, N. J. Clinton and H. H. Dean, were appointed to consider the points brought out in the president's address, and report at the afternoon session.

QUESTION DRAWER.

The Question Drawer being opened the following was asked:

"Does it pay to chop grain for feeding horses?"

The PRESIDENT.—A given quantity gives better results, especially with full grown horses and when fed with cut straw. We always chop in winter for full grown horses, but colts are better with a proportion of whole grain.

President MILLS.—If the grain is to be fed pure I would not chop, but if fed with cut straw, chaff or cut hay, I think it better to grind it.

W. J. STOVER.—I am in favor of ground grain; whole grain often passes through the animal undigested. The London Omnibus Co. after accurate tests found the results to be one-fifth in favor of ground grain, but I do not know if they had fodder cut; at noon they fed always pure grain.

BYRON ROBINSON.—If you can grind the grain yourself it pays, if you do not it does not pay usually. It is a good thing to feed ground grain with cut feed, as by so doing teh rough feed can be worked off.

J. J. SINCLAIR.—In my experience I find it pays to grind grain, especially when the animals are changing teeth.

Mr. HUNTER.—If the horse eats greedily I think it best to mix the whole grain with bran and clean chaff, or else get the grain ground. If the ground grain is to be fed with cut fodder it cannot be ground too fine; if to be fed otherwise, I think it better to just crack the grain.

"What is the feeding value for stock of potatoes as compared with roots?"

Mr. CLINTON.—Weight for weight, I prefer mangel-wurzels.

E. LICK.—A large quantity of potatoes fed to cows has a tendency to dry them off. If 10 to 12 lb per day are fed, they are better than any of the roots.

F. J. SLEIGHTHOLM.—I am not in favor of feeding potatoes extensively. A great many are in favor of feeding potatoes to hogs.

"Does it pay to feed hogs for the market? Are young pigs more profitable than old ones?"

GEORGE HARCOURT (St. Anne's)—We have found our hogs to pay well; we have got 6½ to 7 cents per pound for the pork.

W. J. STOVER.—I favor early maturity. The manure of the hog is valuable, and this taken into consideration makes it profitable to raise hogs even at low prices.

A. E. WARK (Wanstead.)—I do not feed much grain to hogs as it does not pay. I feed clover and other green feed, allowing hogs to run.

B. ROBINSON—I feed hogs plenty of milk, green fodder and all the grain they want, with pork at $5 per 100 lb, and corn 50 cents per bushel we have the manure for a profit.

The President thought the cheapest way would be to have a yard for the hogs and cut their green feed.

"What is the best kind of a ration for colts from one to three years old?"

The PRESIDENT.—Hay and a little oats.

A. E. WARK.—Considerable straw might be used with advantage instead of all hay.

Mr. MILLS.—Mr. McMillan gives a little warm skimmed milk to his colts. He grinds his oats.

Mr. SINCLAIR.—We feed corn stalks and think they do better for colts than hay.

AFTERNOON SESSION.

The committee appointed to consider the president's address reported as follows:

In reference to insufficient experimental work, we find that at present it is not lack of interest in this work but rather that the financial support the Union receives is entirely inadequate. The Union has the spirit to undertake more work, but without an increased grant from the Ontario Government the work already in hand is too much to be able to defray the expense incurred in supplying the material for carrying on these experiments, and we would therefore suggest that unless the Government has already taken steps to increase the annual grant, a deputation be appointed to wait upon the Hon. Minister of Agriculture in reference to this matter.

In reference to the extension of experimental work by the Union in the direction of breeding and feeding of live stock, we would suggest leaving this for open discussion at the time set forth in the programme.

In speaking of the different experimental stations, we would suggest that the following resolution be sent to Prof. Saunders, Director of Experimental Farms, at Ottawa:

Resolved, that it is with great pleasure that we have watched the inception and development of agricultural experimental stations, and we trust that the various departments of the farm will receive the attention which they merit to further the best interests of each branch; and further, that as far as it is expedient, the experimental stations and experimental union endeavor to co-operate in experimental work. We would also respectfully ask that copies of such reports as are from time to time issued from these stations be sent to the members of the Union.

On motion of R. F. Holtermann, seconded by George Harcourt, the report was adopted.

BEE-KEEPING AS A BRANCH OF AGRICULTURE.

The following paper on this subject was read by R. F. Holtermann, of Brantford:

To be in a position to treat the subject before me I must refer briefly to a few peculiarities in the method of fertilisation in the organs of a flower vegetation. In doing this I am indebted to various scientific works

The stamens and pistils are the essential organs of fertilisation in the flower. On the stamens grow the pollen; the pistils are the bodies in which the seeds are formed. The pollen coming in contact with the pistils at a certain time is the important step towards reproduction. Many plants have not the anther and pistil upon the same flower. These must be indebted largely to insect life for fertilisation. Again, many which do bear both anther and pistils must also owe their fertilisation to insect life, self fertilisation being prevented by either the anther or pistil maturing first. Then there are others not coming under the head of either of these two, which in order to yield the best seeds and the largest number must be fertilised by crossing. It has been proved by experiment that in such cases pollen placed on the stigma of the flower on which it grew becomes powerless when pollen is added from the complementary blossom; the prepotency is so arranged as to secure cross fertilisation. Now let us take the apple. Each blossom carries five stigmas, and to each stigma belongs a division of the ovary constituting the core of the fruit. We have here an example of the stigma maturing before the anthers. In the construction of this, as I believe in almost every other flower, the receptacle for the honey is so arranged that the insect cannot reach it without coming in contact with the anther and the pistils. The wisdom of this is manifest. In the case of the apple blossoms the insect becomes dusted with pollen grains on one flower, and when visiting another flower these are deposited upon the sticky surface of a part of the pistils, causing fertilisation. But one fertilisation is not sufficient. To secure a perfect apple, five independent fertilisations have to take place. If none are effected, the calyx which forms the flesh dries and soon drops. If, as is often the case, only four fertilisations take place there is an imperfect development of the calyx, the four parts swelling while the fifth develops imperfectly. The fruit of course is imperfect and is very liable to drop off during the first storm. Opposite the hollow cheek on the apple you find the pips have not been matured.

Gooseberries, currants, raspberries and strawberries are largely dependent upon insects for fertilisation, and in the last two undeveloped parts are often found, due to imperfect fertilisation, as in the apple. Clover, especially white and alsike, and not unfrequently the second growth of red (the corolla of which is shorter than in the first growth) is largely visited by bees; and who can estimate the advantages to be gained by the visits of these insects? Of course it may be argued that other insects would act as mediums for the fertilisation of flowers, and the honey bee may not be required. Let us see. When we consider the frequent rains during spring, which for the time hinder the visits of insects, and the uncertainty of the temperature, we must at once admit that any agent which gives us a more rapid and perfect fertilisation of the blossoms which later develop into useful crops on the farm is desirable, and that is just what the honey bee does.

Having now shown the utility of the honey bee to secure surer and larger crops, and even better specimens of fruit, we at once see the advantage of having bees at work on every farm.

The next question will be: Who should keep the bees? Probably the natural way will be for every man to gather his own crop. Some of our specialists have said, "We can make it pay better because we can with our experience gather a larger and better crop," and they give as an instance the creamery as compared with farm butter-making. Now whilst the specialist is of great use in advancing scientific bee-keeping and is a blessing to the farmers who did not keep bees before he settled in their vicinity, the comparison between the specialist in bee-keeping and the creamery is faulty. Look at all the processes the product from the cow has to undergo before it becomes butter or cheese

for the table. Not so with honey; the product when left by the bee is fit for table use, or in the case of extracted honey becomes so by a very simple process, learned as easily as or more so than milking a cow.

To point to the failures the farmer has made in bee-keeping says nothing, for in comparison the specialist has made as many. And there are probably as many failures in every other business. It may be claimed that the farmer has already too many "irons in the fire." That may be true, but the question then would be: Had he better remove some which year by year yield a less return for capital and labor invested, and which would not diminish the profits from other sources? Some of our staunchest advocates of specialists are by practical experience feeling they should combine bee-keeping with some other pursuit; and that it is better not to have all their eggs in one basket. Many farmers may not of course be in a position to keep bees to advantage, but this must be a matter of individual judgment. It will certainly be of value in this question to know who are the bee-keepers of Ontario and of Canada. After a careful study of the question I cannot to-day point out one who is keeping bees alone and not combining it with something else, and out of these fully ninety per cent. are farmers, while a small percentage of the balance combine it with gardening. Again, I doubt if any man could make bee-keeping in Ontario a paying business, unless he or his neighbors cultivated fields; for the bulk of our honey is secured from land which has been cleared from the primeval forest. Clover and thistle both yield a first class honey; basswood, or more properly linden, is the only surplus honey we take from the forest. This fact, together with what has been shown regarding the fertilisation of fruit blossoms and clover make it apparent that bee-keeping is a branch of agriculture. But is it so recognised. The farmer recognises it as such. The various agricultural papers have been compelled to so class it. Our cousins across the line have given recognition of it as such by having bee-departments at various agricultural colleges, and even by having an experimental station devoted entirely to the advancement of bee-keeping. But how are we situated here? The absence of a bee-department at this institution, so long established, offers no pleasing picture of our enterprise. In many instances where the different departments of the farm are referred to bee-keeping comes under the head of an *etcetera*. Our influential papers give market quotations for every other farm product but honey. What wonder then that the exhibit of honey at the Colonial and Indian Exhibition has been such a matter of surprise to those visiting it. This lack of market quotations is an injury to bee-keepers and is largely the cause of such varying prices; such quotations would also assist in developing our markets. But far more, all this lack of recognition is hindering the development of the resources of our country and in reality impoverishing it. The British market will never open to us until we can give them an unfailing supply of honey. In England when an article such as Canadian honey drops out of the market for a season it is uphill work regaining the former position.

In closing, I do not ignore the fact that we have amongst us some who see with disfavor every new bee-keeper, every development of the industry. When a merchant is settled in a prosperous community he would doubtless often desire to see a law passed to prevent another from starting in the same community, but in store-keeping, in bee-keeping as well as many other pursuits it must be the survival of the fittest. The broadest and the best way to look upon this question is not what is best for a few individuals but for the community, for the country, and no argument can refute the statement that one wiser, more far-seeing and one who never wrongs any one has decreed that bee-keeping is a branch of agriculture.

This was followed by a discussion on wintering bees and their management during the honey season. Messrs. Burrows, Rennie, Hutt and others taking part.

HORTICULTURAL EXPERIMENTS.

A synopsis is presented below of the reports upon experiments in potato culture showing in a concise way the results obtained by the different persons who undertook the work. These experiments will be continued for a series of years, until sufficient data is obtained from which a fair conclusion may be deducted. The following circular was sent to experimenters; together with a blank form for report:

GUELPH, March, 1888.

DEAR SIR.—It has been decided by the Horticultural Committee of the Ontario Agricultural and Experimental Union to carry on the following experiments with potatoes. We shall be pleased if you will conduct these experiments and report results.

No. 1. Planting large whole potatoes.
" 2. " small uncut potatoes.
" 3. " small potatoes all eyes cut out except one.
" 4. " medium potatoes cut in two.
" 5. " " " fresh cut two eyes.
" 6. " " " old cut (five days) two eyes.
" 7. " " " cut, with one eye.
" 8. " " " seed ends.

Nos. 1 and 2 to be planted 12 inches apart in rows. Nos. 3, 4, 5, 6, 7, 8, planted eight inches apart in rows. Plant that variety which does best with you. Potatoes, to be planted on eight adjoining rows. Where land is uniform, give same manure and cultivation as rest of field. Each row to be seven rods long. In digging, be careful to weigh accurately and forward results to N. J. Clinton, Windsor, Ont.

J. HOYES PANTON,
N. J. CLINTON,
ELMER LICK,
} Committee.

Experimenters were required to state in their reports the kinds of crops grown on the land in the two preceding years, varieties of surface soil and sub-soil, variety of potato planted, dates of planting and digging, distance between rows, condition of the weather, weight of the crop in pounds for the several rows. They were also required to describe how the seed was prepared for planting, and how the crop was cultivated, as well as to report on the size and quality of the tubers. The following table gives the results:

Experimenters.	Variety of Potato.	Large, whole.	Small, uncut.	Small; all eyes cut out but one.	Medium, cut in two.	Fresh cut, two eyes.	Old cut (5 days) two eyes.	Cut with one eye.	Seed ends.	Average of eight kinds.
		1	2	3	4	5	6	7	8	
		lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.	lb.
E. Lick	White Elephant	111	99½	96	103	103	103	90	88	99.2
E. M. Zavitz	do	150½	95	99	127	130	124	91¼	106½	115.4
J. Kitchen	do	125	89	73	123	112	78	97	73	96.3
G. B. Boyce	do	111	115	120	135	140	114	105	153	124.1
N. J. Clinton	Early Rose	153	110	101	121	82	78	99	85	103.6
G. F. Marsh	do	97	95	94	80	70	68	66	65	79.4
A. G. McKenzie	do	138	72	96	113	116	95	84	105	102.4
Wm. Ratcliffe	White Star	120	120	109	123	100	77	79	88	102.0
R. Harcourt	do	128	54	74	63	54	55	50	67	68.1
J. McMillan	Beauty of Hebron	86	47	46	44	45	40	44	37	48.6
Jas. Forsyth	do	95	86	109	95	81	81	86	78	87.8
J. Soule	Late Hebron	163	166	162	185	140	175	144	182	164.6
J. French	Graugers	186	220	183	175	138	140	145	139	165.8
J. F. Peacock		113½	107	113	113	120	123	120	100	113.7
		155	105	112½	112	90	115	103	109	112.7
Average yield, one row (7 rods)		128.8	105.4	105.2	114.1	101.4	97.7	93.5	98.3	105.6
		Bush.	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.	Bush.
Average seed used per acre		55.5	14.4	13.3	24.5	14.4	11.4	8.2	8.2	19.1
Average yield per acre		263.9	216.0	216.1	240 8	213.9	209.1	197.3	207.4	220.6
Net yield per acre (less seed)		208.4	201.6	202.8	216.3	199.5	194.7	189.1	199.2	201.5

No. 1 gave the largest yield ten times, No. 4 twice and Nos. 2, 3 and 5 once each. In point of quality No. 5 stood first, No. 7 second, No. 6 third, No. 4 fourth, No. 2 fifth, No. 1 sixth, No 3 seventh, and No. 8 eighth. In point of yield per acre, after deducting the quantity required for seed, No. 4 ranked first, No. 1 second, No 3 third, No. 2 fourth, No 5 fifth, No. 8 sixth, No. 6 seventh and No. 7 eighth. A majority of the experimenters cut the potatoes for planting with two eyes to the piece, and nearly all of them plowed in every third furrow, dragging the ground just as the tops peeped through, then cultivated well and hilled up with a hiller or cultivator.

REMEDIES FOR COUCH GRASS.

Mr. Raynor was then called upon to give what he considered the best methods of killing couch grass, which were as follows:

1. In the fields affected, as soon as the crop is harvested, use the gang-plow, after which follow with the cultivator and harrow. A spring tooth cultivator is the best. If the grass is very thick rake up into rows with a horse rake, and when dry burn. Late in the fall throw up as much as possible to the action of the frost; a good plan being to ridge the worst pieces. The winter frosts will kill and the cultivator and harrow will bring it to the surface. If it can be killed on the land and utilised as manure so much the better.

2. In seeding down with clover sow thickly on the worst patches. The fine thick growth of the clover seems to smother out the grass.

3. Corn cultivation is good. Plow in the fall and again in the spring, etc. After the corn is planted and up, continual horse-hoeing in dry weather is an effectual remedy

4. Perhaps the best and cheapest way is to sow buckwheat. Prepare the ground thoroughly in the spring by plowing, cultivating and harrowing in dry weather. If the grass is not too thick one crop is usually enough. If very bad sow the first crop early, plow down when about to bloom and immediately follow with a second crop, which may be harvested.

5. Always work quacky land when it is driest.

SHEEP HUSBANDRY.

An article on this subject was read by H. B. Jeffs, Bondhead, as follows:

In times of depression such as we have been coming through it becomes a farmer to turn his attention to such branches of his business as will tend to produce the best results, not only in the matter of grain growing, but also that of stock. No man need expect to raise all stock and no grain, but it is well to carry on both on a small scale. Of the stock branches the different varieties of sheep come well to the fore. They have been sold off at a slaughtering price to pay the rent and taxes, owing to the fact that they would sell and are still selling. This greatly reduced their numbers. The price of both wool and mutton of late has been steadily increasing, and breeding animals are in much greater demand.

There is one redeeming feature about them—that they yield two crops annually, one of which will always be in demand so long as these extremely cold winters last, and the other is also a necessity.

It takes but a small amount of capital to start a flock and they soon increase. The cost for protection in the shape of building is very little. All that is necessary is good, comfortable, dry quarters, both over head and under foot. They are easily kept and do not require a great deal of attention, compared with other live stock branches. They return a handsome profit where any attention is given them at all; but many are left very much in a state of nature. If the amount of wool on them was increased by neglect and poor feed, like the hair on an old neglected horse, they would certainly, in very many more cases, be even more sadly neglected, but the reverse is a fact. Another important reason why their breeding was discontinued on many farms was owing to so large an amount of cross-breeding and mixing, many thinking it better to sell out and start with new blood. This I consider a very wise plan. When new breeds were introduced every man, to be up with his neighbor and times, would buy a ram, using him for a season or two and then change to a new breed decidely opposite. By this means the breeders of pure breds could not supply the demand, so half-breds were used instead, until many almost ruined such flocks as they had. A ram with almost any fraction of a Down in him was used. This should not be. By all means breed from pure bred males of any of the domestic animals in preference to a scrub or grade, even though such be superior looking animals, which many grades are, let their owners tell it.

Well this might be so far as mutton is concerned, for breeding a good, large, strong, coarse ewe to a pure Southdown ram will invariably throw a larger and stronger lamb than from a pure bred ewe; but breed the same class of ewes to this grade and see the results. You may try reversing it, though with these grade ewe lambs and a pure bred ram, which is a step in the right direction—grading up.

In selecting a flock see which six has your preference. Then, I repeat, by all means breed from pure bred males of all classes of stock as well as sheep. The class of sheep for each individual to breed depends on his own tastes and circumstances. If he is prepared to start pure breeding, al well, but the general farmer should grade up what he has or can get conveniently at reasonable rates. The time of breeding depends on a man's own peculiar requirements. The ewes should not be mated until shearlings, but whether for early or late lambs the ewes should be in a good, thrifty, healthy condition. It would be well to feed a little grain for a short time before the season, especially when early lambs are the object. A small patch of rape is also very good at this reason of the year, if a large crop of lambs is wanted to increase the flock. Number, however, is not always everything. Use no condiments or spices at this stage, and only when fitting for exhibitions, fat stock shows or for the block.

The ram should not be used till one year old, and some go so far as to say two shears. He should be well fed up to this time, then increase the feed, especially oats, during the season, to give strength to stand the strain of work. It would be well not to allow him to run with the ewes all the time, only at night and the cooler part of the day, separating again in the morning to admit of rest during the day and time for feeding. Keep culls and inferiors out of sight until after the season is over, for ewes during conception are influenced by surroundings very largely. Thin down the ewes a little during pregnancy until within four or five weeks before lambing time, then increase the rations to increase the flow of milk for the young lambs. This is the point where many men fail, not knowing just how much to thin down, and some of the ewes do not require any thinning at all, but rather a little extra care. Feed very little roots during pregnancy, as large quantities cause lambs to be large, flabby, weak and unable to care for themselves. A little barley fed during this stage is very beneficial.

Try and have lambs come before turning out of winter quarters and keep them dry. More lambs are lost by being dropped in wet fence corners than through hard frosts. As soon as they are large enough teach them to eat, by having a separate compartment into which they may go at leisure, and always have a little good clover hay and clean grain for them. Hens should not be allowed to run at large to accomplish this properly. The younger lambs will have the advantage here, as the older ones will commence some time and the younger follow their example. It would be a good plan to continue this during

the summer until weaning time to make good, strong lambs, so they might be weaned a little earlier, at say from 4½ to 5½ months, when they would be in good shape for taking hold and helping themselves. At this season great care should be taken with the dams to prevent their udders from caking and so lose the use of the same. Some breeds and individuals of those breeds are more given to this affection than others, such as the Southdowns, which are, generally speaking, good milkers and good mothers, rarely ever losing or forsaking a lamb. This is where the profit of one breed is gained over another. You can raise a greater weight of mutton form the Southdowns from a given number of acres of land than any other breed, but when *fashions* change to coarse *cloth* they are somewhat distanced in that respect.

Most of the domestic animals have affections or epidemics peculiar to their kind. The hog cholera has swept over countries playing considerable havoc in many localities. The cattle plague has to be watched, for if it once gains a foothold it will be a source of great trouble, annoyance and loss. The horse, the noblest animal of the lot, is subject to epidemics and affections which prove very fatal on many occasions. But sheep have very little to fear in this direction; as yet only a few cases have been known and these among the more delicate breeds. It is an old saying that "an ounce of prevention is worth a pound of cure." To keep sheep in good health is more desirable than to know how to doctor them when sick. No higher type of character is required in any of the various callings of life than is required in that of a good shepherd. You can get ten men to care successfully for horses or cattle for one who can care for sheep. And while the best possible attention and care will not always ward off disease, yet being supplied with sufficient food of the proper kind and having access at all times to salt and pine tar and salt and sulphur, with plenty of pure water, sick sheep are very rare. Those also help to destroy the tick and vermin on them, but if they should get bad dress them with a preparation of arsenic and other ingredients. In this section men make a business of it, charging five cents per head, and it pays very well; but I think once in two years is often enough if properly handled. The Southdowns need scarcely any of this, being a favored breed, very hardy, easily kept, prolific and almost entirely free from disease. It has been said, and rightly said, by writers on the subject, that they are the only breed that cannot be improved by the introduction of *any new blood.*

Mr. Laidlaw.—We feed lambs. At one time we bought 200 Southdown grades and long woolled grades, the former weighing 6 lb. less than the latter. We fed them 80 days, and they gained on an averge 26 lb. per head, the gain in each kind being about equal. We calculated we made 20 cents each more out of the long wools. We buy lambs in September and feed them on rape, giving them at the same time access to clover fields.

Mr. Simmons.—The Southdown grades, or in fact any grade with a smutty face and legs, would in the United States market sell for more than long wools, half a cent per lb., and in England by 1c. per lb.

Mr. Robinson.—I like my lambs to come in February, it is drier then than in March. I want to see the duty removed on sheep in the United States. If we would go more into sheep husbandry, the farms would become better improved. I believe sheep pay.

Mr. Jeffs.—In lambing, the long wools get more lambs than the short wools. I think 20 sheep in a flock enough. Better results are obtained by having a number of small flocks of 20, than one large one.

Mr. Mills.—In Grey, they are against Downs, and that is a great locality for sheep.

Mr. Simmons.—If the farmers handled the lambs themselves, they would find the Downs paid best. As to the fleece, it was thought that the long wools averaged about 6 lb. per fleece, and the short wools 4½ lb., the price realised from each fleece being about the same.

SECOND DAY'S PROCEEDINGS.

The first business taken up by the Union on the second day was the report of the Nominating Committee. The election of officers resulted as follows:

OFFICERS FOR 1889-90.

Honorary President.....C. C. James, M.A., O. A. C., Guelph.
President.....J. A. Craig, B. S. A., Hamilton.
Vice-President.....H. A. Morgan, Kerwood.
Recording Secretary-Treasurer.....W. J. Stover, Norwich.
Corresponding Secretary.....H. H. Dean, Harley.
Editor.....C. A. Zavitz, B. S. A., O. A. C., Guelph.

District Secretaries.

District No. 1, comprising Stormont, Dundas, Russell, Glengarry, Prescott, Cornwall, Carleton and Grenville, W. E. Serson, Antrim.
District No. 2, Lanark, Renfrew, Leeds, Frontenac, Lennox, Addington, Hastings and Prince Edward, T. Raynor, Rosehall.
District No. 3, Nipissing, Parry Sound, Muskoka, Haliburton, Peterborough, Northumberland, Durham, Victoria and Ontario, G. B. Brodie, Bethesda.
District No. 4, Simcoe, York, Peel, Dufferin, Grey, Wellington and Halton, H. B. Jeffs, Bondhead.
District No. 5, Wentworth, Lincoln, Welland and Haldimand. R. M. Soule, St. Anne's.
District No. 6, Waterloo, Oxford, Brant and Norfolk, A. Shantz, Waterloo.
District No. 7, Huron, Perth and Bruce, N. Monteith, Fairview.
District No. 8, Middlesex and Elgin, W. A. McCallum, Ailsa Craig.
District No. 9, Essex and Kent, N. J. Clinton, Windsor.
District No. 10, Lambton, A. E. Wark, Wanstead.

Committees to plan experimental work in the various departments for the year 1889, and report at the next annual meeting of the Union, were also appointed.

Committees on Experiments.

Agriculture.—Profs. James, Shaw and Robertson, C. A. Zavitz, W. J. Stover, E. A. Rennie, N. Monteith, W. A. McCallum and H. L. Hutt.
Horticulture.—Prof. Panton, N. J. Clinton and E. Lick.
Apiculture.—R. F. Holtermann and E. A. Rennie.
Dairying.—Prof. Robertson and H. A. Morgan.

A vote of thanks was tendered to the retiring officers, and Mr. Sleightholm, the retiring President, made an appropriate reply in behalf of himself and his asssociate officers.

GRAINS AND FERTILISERS.

C. A. Zavitz, B. S. A., Secretary of Committee on Grains and Fertilisers, submitted the following report:

Most of you are aware no doubt, that the members of the Experimental Union along with other interested farmers outside of the Union, have been carrying out a line of experimental work in the various parts of the province, to ascertain the effects of some of the most easily procured Canadian fertilisers. The work was started in the spring of 1886, with twelve individuals who were willing to receive the grains and fertilisers, carry out the necessary instructions, and report in the following winter. During the year 1887, the number of experimenters increased to 60, and in the spring of the present year no less than 93 sets of material were distributed to willing experimenters over Ontario. At the time when the grains and fertilisers were sent the following sheet of instructions was forwarded to each experimenter:

Guelph, March, 1888.

Dear Sir,—The last annual meeting of the Experimental Union appointed a committee to inaugurate and carry out a plan of experiments for the coming season. It has been decided to test the effects of salt, superphosphate, ground apatite, wood ashes, farm-yard manure, and no manure upon wheat, barley and oats.

Following are the instructions for experiments with fertilisers:

1st.—Select a piece of ground of same nature throughout, under same conditions, and representative, as far as possible, of the land of the neighborhood. Avoid naturally wet spots, and keep clear of trees, fences and buildings. Give cultivation to experimental plots similar to that of your larger fields. If you

can choose your plots in such a position as to allow them to remain for experiment another year, so much the better.

2nd—Mark off six plots of one-fortieth of an acre each, having clean path of two feet wide between the plots. Two rods square is a convenient shape.

3rd—Submit all plots to same treatment, and sow one-sixth of grain sent on each. Aim at seeding one inch deep.

4th—Apply the salt sent to plot No. I., the superphosphate to No. II., the ground apatite to No. III., wood ashes to No. IV., farm-yard manure to No. V., and no manure to No. VI. The fertilisers to be town at time of seeding.

5th—Keep plots at all times clear from trespassing by poultry, etc.

6th—Each experimenter is allowed to use his own judgment in reference to the quantity of barnyard manure applied.

7th—It is requested that No. IV. plot be sown with 10 lbs. fresh wood ashes, used same as the other fertilisers, as no Kainit can be obtained in Canada.

There has been sent by express to those experimenting, expressage prepaid, one of the following lots of grain for six plots: 18 lbs. White Russian Wheat; 18 lbs. Red Fife Wheat; 11¼ lbs. Egyptian Oats; 11¼ lbs. White Cluster Oats; or 12½ lbs. Common Six-Rowed Barley. Also 10 lbs. salt for plot No. I., 10 lbs. superphosphate for plot No. II., and 10 lbs. apatite for plot No. III. The produce from the plots becomes the property of the experimenter.

Make out reports of experimental plots and meteorological observations as full and careful as you can, and forward to Mr. C. A. Zavitz, O. A. C., Guelph, not later than 1st November.

NOTE.—To those who carried on somewhat similar experiments last season, on five plots, and two years ago on four plots, additional grain has been sent for sowing on the same plots. The object is to test the influence of the fertilisers over two and three seasons. Report in the same manner as for the new plots.

The price of the superphosphate used was $26 per ton, and that of the ground apatite or phosphate $12 per ton. Both were obtained from Smith's Falls. The same class of fertilisers was used this year as during 1887, the latter giving the following analyses:

	I. Apatite.	II. Superphosphate.
Water	0.16 per cent.	5.885 per cent.
Soluble phosphoric acid	.... "	10.489 "
Reverted " "	.... "	5.808 "
Insoluble " "	27.848 "	1.318 "
	27.848 per cent.	17.615 per cent.

The analyses of salt showed the following:

Sodium chloride, pure salt	89.42 per cent.
Calcium sulphate—gypsum	1.45 "
Calcium chloride	0.11 "
Magnesium chloride	2.01 "
Insoluble matter	0.18 "
Water	6.75 "
	99.92 per cent.

An analysis of an average sample of fresh wood ashes gave the following:

Water	2.07 per cent.
Insoluble matter	7.68 "
Potash	7.15 "
Phosphoric acid	1.89 "
Lime	37.33 "
Magnesia	3.02 "
Iron and alumina	1.53 "
	60.67 per cent.

From the returns received by the committee for 1888, forty-five valuable reports are obtained. Owing to various circumstances, such as the dry season and misfortunes of various kinds, a number of those who undertook the work were unable to send satisfactory reports. The reports forwarded to the committee were carefully read, and only those retained which were considered to be reliable and valuable. The tables on pp. 20-34 show the results.

A long discussion followed the report on fertilisers, as to the value of farmyard manure, $1 per ton being generally allowed.

Prof. SHAW.—If the results next year are the same, there can be no doubt as to the value of the superphosphate. I should like to know the results for following years.

Prof. JAMES.—This is chiefly the result of one year. We propose to follow up the experiment. The farmyard manure will probably not have lost more than $3 to $4 of its value, while superphosphate will probably lose all its value the first year.

Prof. SHAW.—In my estimation, one-third would be nearer the amount of value lost in farmyard manure the first year on heavy soil, one half on medium, and three-quarters or all on very light.

Prof. JAMES.—In England, the conclusion of leading farmers was, that they saw benefits for ten years; the general limit was eight years. Of course you get a larger amount the first season.

Prof. SHAW.—I manure every fourth or fifth year, and apply 12 to 15 loads per acre of manure, partially rotted.

Mr. RENNIE.—Farmyard manure has physical advantages which superphosphate has not.

Mr. DEAN.—The difficulty is to carry on these experiments from year to year on the same plots. The Dominion Experimental Stations and the Ontario Experimental Farm should undertake this work pretty thoroughly.

C. A. ZAVITZ.—The Union can carry out this experiment on several varieties of soil, and herein lies its great value. Members should carry them on from year to year.

Mr. HOBSON.—Should these experiments not be carried on at experimental farms? To be valuable they should be accurate, and the average farmer is not accurate. I have conducted experiments, but I should not like them published.

Mr. ZAVITZ.—These experiments are conducted at the Experimental Farm to their full extent. It must be remembered that the tests carried on over the province, are chiefly undertaken by those who have taken a course of study in the Agricultural College, and after observing the work as managed in the experimental department, they are fairly well qualified to conduct such a line of experimental work as the Union now had in charge. Others than ex-students who are experimenting, are prominent agriculturists who are deeply interested in their profession. I consider this line of work the backbone of the Union.

Mr. HOBSON.—A friend of mine spent $700 in superphosphate, and thinks it is no better than so much road dust. I have spent several hundred dollars in the same way.

Mr. ELMES.—I plowed clover sod in August, and twice more that fall; it was good land, and fertilisers were applied and results noted as follows:—No manure, 20 bushels, bright; farmyard manure, 16 bushels, rusted; superphosphate, 20 bushels, rusted; salt, 16 bushels, rusted; wood ashes, 18 bushels, slight rust; nitrate of soda, 15 bushels, rusted; lime, 25 bushels, bright; sulphur, 22 bushels, straw bright; spring wheat was the crop grown, and the soil was clay.

Prof. PANTON.—I have been admiring the pluck of Mr. Zavitz. We have I think hardly looked upon this in the right light. If this has been done wrong let us have it done right, and talk it out here. The young men should be encouraged, and if a better outline can be made let us have it. The diversity of soil is of value. Mr. Hobson's remarks are right; they should be accurate, yet if fairly accurate they are valuable. The experiments must not be considered proven; it always depends upon how long they have been conducted.

Prof. SHAW.—Farmers used to sow 1 to 4 bushels per acre of corn, they now say that better results can be received from one peck to half a bushel to the acre. This would be a good experiment to conduct.

Prof. JAMES.—These experiments were started three years ago. They have become more complicated every year, and if we have not yet found out the exact value of these different manures, some good has been done. The training for accurate careful work and the influence of variety of soil, climate and circumstances are valuable. The pity is that they have not been followed up year after year.

C. A. ZAVITZ.—The results of experiments were relatively the same last year as this year. Allow me to suggest that every member of the Union send in by the 20th inst. what he thinks would be the best experiment to conduct.

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fertilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	Egyptian Oats.	I.	Salt.....400 lb.	April 20	Aug. 13	Bright and strong.....
		II.	Superphosphate.....400 lb.	April 20	Aug. 13	Good and bright.....
		III.	Ground apatite.....400 lb.	April 20	Aug. 13	Good and clean.....
		IV.	Fresh wood ashes .....400 lb.	April 20	Aug. 13	Good but short.....
		V.	Farm-yard manure.....10 tons	April 20	Aug. 13	Tall, bright and clean.. .....
		VI.	No manure.	April 20	Aug. 13	Good.... .....
1888.	Egyptian Oats.	I.	Salt.....400 lb.	May 5	.....	Ordinary length and bright....
		II.	Superphosphate.....400 lb.	May 5	.....	Ordinary length and bright....
		III.	Ground apatite.....400 lb.	May 5	.....	Ordinary length and bright....
		IV.	Fresh wood ashes.....400 lb.	May 5	.....	Ordinary length and bright....
		V.	Farm-yard manure*.....	May 5	.....	Ordinary length and bright....
		VI.	No manure.....	May 5	.....	Ordinary length and bright....
1888.	Egyptian Oats.	I.	Salt.....400 lb.	April 30	Aug. 15	Bright and strong.....
		II.	Superphosphate.....400 lb.	April 30	Aug. 15	Heavy, rather weak, some rust.
		III.	Ground apatite..... .400 lb.	April 30	Aug. 15	Much rusted.....
		IV.	Fresh wood ashes.....400 lb.	April 30	Aug. 15	Weak, some rusted.....
		V.	Farm-yard manure..... 10 loads	April 30	Aug. 15	Dark-green, weak and rusty...
		VI.	No manure	April 30	Aug. 15	Average, rather weak.....
1888.	Egyptian Oats.	I.	Salt .....400 lb.	May 2	Aug. 21	Large, bright and clean.....
		II.	Superphosphate ..... 400 lb.	May 2	Aug. 21	Rather soft, very yellow .....
		III.	Ground apatite. ....400 lb.	May 2	Aug. 21	Soft and yellow.....
		IV.	Fresh wood ashes . ...400 lb.	May 2	Aug. 21	Stiff, very light yellow.....
		V.	Farm-yard manure*..... ..	May 2	Aug. 21	Large, light yellow.....
		VI.	No manure*.....	May 2	Aug. 21	Large, dark yellow .....
1888.	Egyptian Oats.	I.	Salt .....400 lbs.	May 3	Aug. 14	Good length..... ... .
		II.	Superphosphate.....400 lbs.	May 3	Aug. 14	Shorter but strong ....
		III.	Ground apatite.....400 lbs.	May 3	Aug. 14	Short and uneven ripening....
		IV.	Fresh wood ashes..... ...400 lbs.	May 3	Aug. 14	Medium.. ....
		V.	Farm-yard manure.....8 tons	May 3	Aug. 14	Longer.....
		VI.	No manure..... .	May 3	Aug. 14	Longer.....
1888.	Egyptian Oats.	I.	Salt.....400 lb.	April 25	July 27	Stiff, fairly bright.....
		II.	Superphosphate.....400 lb.	April 25	July 27	Tall and bright, stiff.....
		III.	Ground apatite.....400 lb.	April 25	July 27	Bright and stiff..... ..
		IV.	Fresh wood ashes.....400 lb.	April 25	July 27	Good sample.....
		V.	Farm-yard manure*.....	April 25	July 27	Good sample.....
		VI.	No manure.....	April 25	July 27	Rather weak.....
1888.	Egyptian Oats.	I.	Salt..... .....400 lb.	May 3	Aug. 10	Stiff, bright and free from rust.
		II.	Superphosphate. .....400 lb.	May 3	Aug. 10	Stiff, bright and free from rust.
		III	Ground apatite.....400 lb.	May 3	Aug. 10	Lighter, similar color to I & II.
		IV.	Fresh wood ashes.....400 lb.	May 3	Aug. 10	Stiff, bright and free from rust.
		V.	Farm-yard manure*.....	May 3	Aug. 10	Stiff, bright and free from rust.
		VI.	No manure.....	May 3	Aug. 10	Shorter, lighter, color average.

WITH FERTILISERS.

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel	Remarks.	Nature of soil.	Previous cropping.	Name of experimenter.	County.
Fine sample	92½	49½	43	35½		Heavy clay, naturally well drained.	1884, fallow. 1885, fall wheat. 1886, clover and timothy. 1887, timothy.	R. E. King.	Haldimand.
Bright and plump	71	37	34	35					
Bright and plump	92	52	40	34½					
Bright and plump	64½	34 5-6	29⅔	34	Oakwood ashes.				
Bright and plump	104	57⅓	46⅔	35	Green horse manure.				
Bright and plump	81	47½	33½	34					
Bright but light	68½	47⅔	20⅔			Sandy loam.	1886, sod. 1887, oats.	J. D. Knowlton.	Leeds.
Bright but light	64	39¼	24¾						
Bright but light	74½	46½	28						
Bright but light	65	40⅔	24¼						
Bright but light	61½	42¼	29¼						
Bright but light	59½	38	21½						
Plump		82	51				1886, sward. 1887, oats.	O. T. Smith.	Wentworth.
Plump		92	56						
Plump		73	49						
Plump		75	46						
Plump		85	56						
Plump		70	45						
	140	88	47	40	Lodged	Gravelly loam, clay sub-soil.	1886, summer fallow and manured. 1887, wheat.	R. A. Penhole.	Elgin.
	145	92	50	36	Lodged				
	151	103	46	36	Lodged				
	132	88	41	36	Stood well				
	158	107	47	34	Lodged				
	158	113	40	34	Lodged				
Fair	69	44	25	43			1887, timothy and clover.	Erland Lee.	Wentworth.
Quite plump	62	31	31	44					
Plump	48	19	29	44½	Smutty				
Good	53	26⅓	26½	42½					
Good	61	33	28	42					
Good	55	27½	27½	42½					
Very fair	130	91	39	40		Black loam.	1885, unbroken. 1886, mangolds. 1887, Indian corn	L. J. W. Shipley.	Middlesex.
Well filled	140	100	40	41					
Fairly good	136	95	41	40					
Well filled, fair size	134	96	38	40					
Well filled, fair size	138	98	40	40					
Well filled, fair size	125	88	37	39					
Plump	118	71	47	38½		Sandy loam.	1887, wheat.	Frank Shuh.	Waterloo.
Plump	113	65	48	38½					
Plump	100	58	42	38					
Plump	107	63	44	38					
Plump	107	63	44	38					
Plump	96	57	39	38					

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fetilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	Egyptian Oats.	I.	Salt.....400 lb.	May 19	Aug. 20	.....
		II.	Superphosphate.....400 lb.	May 19	Aug. 20	.....
		III.	Ground apatite.....400 lb.	May 19	Aug. 20	.....
		IV.	Fresh wood ashes.....400 lb.	May 19	Aug. 20	.....
		V.	Farm-yard manure. .....20 tons	May 19	Aug. 20	Tall and heavy..
		VI.	No manure	May 19	Aug. 20	Light.....
1888.	Egyptian Oats.	I.	Salt.....400 lb.	May 4	Aug. 12	Good, slightly coarse.....
		II.	Superphosphate.....400 lb.	May 4	Aug. 12	Good, slightly coarse.....
		III.	Ground apatite.....400 lb.	May 4	Aug. 12	Good, slightly coarse.....
		IV.	Fresh wood ashes.....400 lb.	May 4	Aug. 12	Good, slightly coarse.....
		V.	Farm-yard mauure .....10 loads	May 4	Aug. 12	Good, slightly coarse.....
		VI.	No manure.....	May 4	Aug. 12	Good, slightly coarse.....
1888.	Egyptian Oats.	I.	Salt.....400 lb.	April 26	Aug. 26	Rather green .....
		II.	Superphosphate.....400 lb.	April 26	Aug. 26	Rather green .....
		III.	Ground apatite.....400 lb.	April 26	Aug. 26	Rather green .....
		IV.	Fresh wood ashes.....400 lb.	April 26	Aug. 26	White .....
		V.	Farmyard manure	April 26	Aug. 26	Broken and yellow.....
		VI.	No manure.....	April 26	Aug. 26	Yellowish white .....
1887—2nd year	Egyptian Oats.	I.	Salt.....400 lb.	April 26	Aug. 10	No. 1 quality. .....
		II.	Superphosphate.....400 lb.	April 26	Aug. 10	No. 3 quality .....
		III.	Ground apatite.....400 lb.	April 26	Aug. 10	No. 4 quality .....
		IV.	Farmyard manure.....10 ton	April 26	Aug. 10	No. 2 quality .....
		V.	No manure	April 26	Aug. 10	No. 4 quality .....
1886—3rd year	Egyptian Oats.	I.	Salt .... 400 lb.	May 10	Aug. 24	.....
		II.	Superphosphate .....400 lb.	May 10	Aug. 24	.....
		III.	Gypsum .....400 lb.	May 10	Aug. 24	.....
		IV.	Farmyard manure.....	May 10	Aug. 24	.....
		V.	No manure	May 10	Aug. 24	.....
1887—2nd year.	Black Tartar Oats.	I.	Salt ..... .400 lb.	April 20	Aug. 8	Second class.....
		II.	Superphosphate .....400 lb.	April 20	Aug. 8	Second class.....
		III.	Ground apatite .....400 lb.	April 20	Aug. 8	Second class.....
		IV.	Farmyard manure.....	April 20	Aug. 8	Second class.....
		V.	No manure	April 20	Aug. 8	Second class.....

WITH FERTILISERS.—*Continued.*

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel.	Remarks.	Nature of soil.	Previous cropping.	Name of experimenter.	County.
.....	71	45	26	42	.....			G. F. Marsh.	Grey.
.....	63	40	23	42⅓	.....				
....	65	42	23	44	.....				
.....	60	39	21	43½	.....				
....	113	74	39	42	Not much affected by drouth.....				
... .	64	41	23	43½	.....				
Excellent, very plump	106	66	40	40	Would advise more salt per acre.....	Sandy.	1887, hay.	R. A. Bodman.	Elgin.
Excellent, very plump	127	77	50	40	Consider it an excellent fertiliser.....				
Excellent, very plump	111	66	45	40	Very good but less effective than superphosphate.....				
Excellent, very plump	106	66	40	40	In effect about same as salt				
Excellent, very plump	120	72	48	40	Effect good.....				
Excellent, very plump	92	55	37	40	....				
First in quality.....	73	55	18	....	....	Strong clay.	1884, Goose wheat. 1885, roots. 1886, pease. 1887, fall wheat.	H. B. Jeffs.	Simcoe.
Second in quality ..	62	47	15	....	. .....				
Second in quality ..	62	48	14	....	.....				
Second in quality ..	60	46	14	....	.. ..				
Fourth in quality ..	61	45	16	....	.....				
Third in quality....	103	83	20	....	.....				
No. 2 quality	154	94	60	....	.....	Clay loam.	1885, wheat. 1886, fallow. 1887, Union spring wheat, with application of fertiliser.	C. A. Zavitz.	Wellington. (O. A. C.)
No. 1 quality	119½	68	51½	....	....				
No. 2 quality	138	81	57	....	.....				
No. 3 quality	117½	55½	52	....	. .....				
No. 3 quality	125	72	53	....	.....				
....	77	49	28	....	....			J. B. Muir.	Bruce.
....	67	44	23	....	....				
....	73	47½	25½	....	....				
.....	107	72	35	....	....				
....	65	45	20	....	.....				
Best, plump and very fine	108	54	54	32	. .....			F. J. Sleightholm.	Peel.
Only slightly behind No. I	105	53½	51½	31½	.....				
Well filled, but hardly equal to I, II & V..	100	53	47	32	....				
Well filled, but hardly equal to I, II & V...	93	46	47	31	.....				
Very plump and heavy	104½	55½	49	33	....				

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fertilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	White Cluster Oats.	I.	Salt ..... 400 lb.	April 27	.....	.....
		II.	Superphosphate..... 400 lb.	April 27	.....	.....
		III.	Ground apatite .....400 lb.	April 27	.....	.....
		IV.	Fresh wood ashes..... 400 lb.	April 27	.....	.....
		V.	Farmyard manure.....	April 27	.....	.....
		VI.	No manure	April 27	.....	.....
1888.	White Cluster Oats.	I.	Salt..... 400 lb.	May 2	Aug. 22	Short, bright, but rust free....
		II.	Superphosphate..... 400 lb.	May 2	Aug. 22	Short, bright, rust free.....
		III.	Ground apatite..... 400 lb.	May 2	Aug. 22	Short, bright, rust free.....
		IV.	Fresh wood ashes..... 400 lb.	May 2	Aug. 22	Short, bright, rust free.....
		V.	Farmyard manure.....14 tons	May 2	Aug. 22	Short, bright, rust free .....
		VI.	No manure	May 2	Aug. 22	Short, bright, rust free.....
1888.	White Cluster Oats.	I.	Salt..... 400 lb.	4th Mo. 28	8th Mo. 10	Bright and medium.....
		II.	Superphosphate ..... 400 lb.	4th Mo. 28	8th Mo. 7	Bright, short and fine.....
		III.	Ground apatite..... 400 lb.	4th Mo. 28	8th Mo. 10	Bright and medium.....
		IV.	Fresh wood ashes. .....400 lb.	4th Mo. 28	8th Mo. 10	Bright and rather coarse.....
		V.	Farmyard manure	4th Mo. 28	8th Mo. 10	Bright, coarse and long .....
		VI.	No manure	4th Mo. 28	8th Mo. 11	Bright and good length....
1888.	White Cluster Oats.	I.	Salt..... 400 lb.	May 10	.....	Short, stiff and good.....
		II.	Superphosphate .....400 lb.	May 10	.....	Short, stiff and good.....
		III.	Ground apatite .....400 lb.	May 10	.....	Short, stiff and good.....
		IV.	Fresh wood ashes. .....400 lb.	May 10	.....	Short, stiff and good.....
		V.	Farmyard manure.....15 loads	May 10	.....	Short, stiff and good.....
		VI.	No manure.....	May 10	.....	Short, stiff and good.....
1888.	White Cluster Oats.	I.	Salt ..... 400 lb.	May 8	Aug. 27	Short and bright.....
		II.	Superphosphate .....400 lb.	May 8	Aug. 27	Long and bright.....
		III.	Ground apatite .....400 lb.	May 8	Aug. 27	Medium length and bright....
		IV.	Fresh wood ashes. ..... 400 lb.	May 8	Aug. 27	Long and inclined to rust.....
		V.	Farmyard manure*	May 8	Aug. 27	Medium length .....
		VI.	No manure.....	May 8	Aug. 27	Short .....
1888.	White Cluster Oats.	I.	Salt..... 400 lb.	April 25	Aug. 9	Long and clean .....
		II.	Superphosphate .....400 lb.	April 25	Aug. 7	Very short, free from rust.....
		III.	Ground apatite .....400 lb.	April 25	Aug. 9	Long, slightly rusted.....
		IV.	Fresh wood ashes..... 400 lb.	April 25	Aug. 9	Long, slightly rusted.....
		V.	Farmyard manure*	April 25	Aug. 7	Long, slightly rusted.....
		VI.	No manure.....	April 25	Aug. 9	Long, slightly rusted.....

WITH FERTILISERS.—*Continued.*

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel.	Remarks.	Nature of soil.	Previous cropping.	Name of experimenter.	County.
.....	103	54	49	....	.....		1885, fallow. 1886, fall wheat. 1887, barley.	J. T. Peacock.	Peel.
.....	95	50	45	....	.....				
.. ..	87	47	40	..	.....				
....	95	50	45	...	.....				
....	92	47	45	....	.....				
.....	91	50	41	....	.....				
Average sample, fairly plump	22	13	9	....	Had rather best chance.....	Heavy clay with some gravel.	1885, barley. 1886, clover. 1887, barley.	T. Raynor.	Prince Edward.
Average sample, fairly plump	17½	10¾	7¼	....	.....				
Average sample, fairly plump.....	18½	10	8½	...	....				
Average sample, fairly plump	23	13¾	9¼	....	.....				
Average sample, fairly plump	14¾	8½	6¼	....	.....				
Average sample, fairly plump	13½	9	4½	....	.....				
Fair.....	61	38	23	....	Grain badly cut by grasshoppers.....	Clay loam with limestone.	1885, new soil broken and wheat grown. 1886, wheat. 1887, oats.	J. D. Zavitz.	Middlesex,
Fair.....	67	39	28	....	Grain badly cut by grasshoppers.....				
Fair.....	57	38	21	....	Grain badly cut by grasshoppers.....				
Fair.....	70	52	18	....	Grain badly cut by grasshoppers				
Fair...	64	44	20	....	Grain badly cut by grasshoppers.....				
Fair..	68	50	18	....	Grain badly cut by grasshoppers.....				
Good.....	....	.....	15	40	.....	Sandy loam.	1887, spring wheat.	Nelson Cahoon.	Prince Edward.
Good.....	....	.....	15	40	....				
Good.....	....	.....	15	40	.....				
Good..	....	.....	15	40	.....				
Good.....	...	.....	15	40	. .....				
Good.	....	.....	12	40	.....				
Very plump.....	....	82	48	....	.....	Sandy loam.	1885, turnips. 1886, oats. 1887, peas.	G. T. Hodge.	Muskoka.
Very plump.....	....	80	46	....	....				
Very plump.... ...	....	65	37	....	....				
Very plump.....	....	72	42	....	....				
Very plump...	....	56	32	....	....				
Very plump.....	....	54	29	....	.....				
.....	110	60½	49½	34	.....	Heavy clay loam.	1887, barley.	John Boyes.	Peel.
....	95	47	48	35	....				
....	103	57	46	35	.....				
....	106	56½	49½	35½	.....				
....	101	53½	47½	36	....				
....	112	58½	53½	36	Lower land may account for the increased yield				

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fertilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	White Cluster Oats.	I.	Salt ..... 400 lb.	May 1	Aug. 14	Rather short and bright.....
		II.	Superphosphate ..... 400 lb.	May 1	Aug. 13	Rather short and bright.....
		III.	Ground apatite..... 400 lb.	May 1	Aug. 13	Rather short and bright.....
		IV.	Fresh wood ashes.....400 lb.	May 1	Aug. 15	Rather short and bright.....
		V.	Farmyard manure	May 1	Aug. 15	Rather short and bright.....
		VI.	No manure.....	May 1	Aug. 15	Rather short and bright .....
1888.	White Cluster Oats.	I.	Salt.....400 lb.	May 11	Aug. 15	.....
		II.	Superphosphate.....400 lb.	May 11	Aug. 15	.....
		III.	Ground apatite.....400 lb.	May 11	Aug. 15	.....
		IV.	Guano .....280 lb.	May 11	Aug. 15	....
		V.	Farmyard manure*	May 11	Aug. 15	Best, a foot the longest.....
		VI.	No manure.....	May 11	Aug. 15	Shortest..... ...
1888.	White Cluster Oats.	I.	Salt.....400 lb.	April 25	Aug. 13	Heavy and long .....
		II.	Superphosphate .....400 lb.	April 25	Aug. 11	Rather short.....
		III.	Ground apatite..... 400 lb.	April 25	Aug. 11	Clean and long .....
		IV.	Fresh wood ashes. .....400 lb.	April 25	Aug. 13	Slightly rusted ....
		V.	Farmyard manure	April 25	Aug. 13	Long, very little rusted.....
		VI.	No manure.....	April 25	Aug. 13	Rusted ....
1888.	White Cluster Oats.	I.	Salt.....400 lb.	April 23	Aug. 13	Bright, but short .....
		II.	Superphosphate.. .....400 lb.	April 23	Aug. 13	Bright, but short .....
		III.	Ground apatite.....400 lb.	April 23	Aug. 13	Bright, but short .....
		IV.	Fresh wood ashes.....400 lb.	April 23	Aug. 13	Bright, but short .....
		V.	Farmyard manure*	April 23	Aug. 13	Bright, but short .....
		VI.	No manure.....	April 23	Aug. 13	Bright, but short..... .....
1888.	White Cluster Oats.	I.	Salt.....400 lb.	May 21	.....	Bright ....
		II.	Superphosphate .....400 lb.	May 21	.....	Very bright ....
		III.	Ground apatite..... . 400 lb.	May 21	.....	Bright .. . .
		IV.	Fresh wood ashes... .....400 lb.	May 21	.....	Bright .....
		V.	Farmyard manure .....10 tons	May 21	.....	Bright and long..... ..
		VI.	No manure.....	May 21	.....	Bright ....
1888.	White Cluster Oats.	I.	Salt ... .400 lb.	May 10	Aug. 22	....
		II.	Superphosphate .....400 lb.	May 10	Aug. 22	.....
		III.	Ground apatite .....400 lb.	May 10	Aug. 22	....
		IV.	Fresh wood ashes. .....400 lb.	May 10	Aug. 22	.....
		V.	Farmyard manure. .... 40 loads.	May 10	Aug. 22	....
		VI.	No manure.....	May 10	Aug. 22	....
1888.	Common six-rowed Barley.	I.	Salt .. ..400 lb.	May 2	Aug. 3	Longer than average and coarse..... ..
		II.	Superphosphate... .....400 lb.	May 2	Aug. 3	Longer than average and coarse.....
		III.	Ground apatite .....400 lb.	May 2	Aug. 3	Longer than average and coarse..... .....
		IV.	Fresh wood ashes.....400 lb.	May 2	Aug. 3	Longer than average and coarse..... .....
		V.	Farmyard manure .....20 tons	May 2	Aug. 3	Longer than average and coarse.....
		VI.	No manure....	May 2	Aug. 3	Longer than average and coarse.....

WITH FERTILISERS.—*Continued.*

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel.	Remarks.	Nature of soil.	Previous cropping.	Name of experimenter.	County.
Plump	51	29	22	40		Heavy clay.	1883, meadow. 1884, meadow. 1885, meadow. 1886, pasture. 1887, pasture.	Geo. Lott.	Lennox.
Plump	52	30	22	40					
Plump	51	30	21	40½					
Plump	47	28	19	41					
Plump	58	34	24	41					
Plump	55	32	23	39½					
	....	85	28	34		Light, sandy	1882-3-4-5-6-7, corn. No manure for last two years.	M. McCollum.	Middlesex.
	....	84	24½	34					
	....	52	18	34					
	....	84½	28½	35					
Best	....	105	32	35					
	....	77	27½	34					
Plump	....	104	42	36	This plot may have had preference in soil and moisture.	Clay loam.	1884, hay. 1885, hay. 1886, hay. 1887, pease.	P. J. Brown.	Bruce.
Very good quality	....	89	38	36					
Very good quality	....	87	38	36					
Very good quality	....	85	38	36					
Very good quality	....	90	38	36					
Very good quality	....	83	36	36					
Plump	58	26	28	35	Best in drouth	Heavy clay loam.	1884, hay. 1885, hay. 1886, hay, manured. 1887, timothy seed.	Martin Bellerby.	Grey.
Plump	55	28	24	34					
Plump	57	28	25	34	Best in drouth				
Plump	46	22	21	35					
Plump	45	21	21	34					
Plump	53	28	22½	34½					
Bright	60	37	21	40	Good	Clay loam.	1885, wheat. 1886, oats. 1887, pease.	Wm. Goldthrop.	Muskoka.
Very plump and bright	70	41	27½	42	Very good				
Bright	50½	31½	16½	38	Away behind				
Bright	42	24	15½	39	Away behind				
Plump and bright	64½	37	26	42	Very good				
Bright	51	31	18	40	Not bad				
	57	39	16	....		Light, sandy loam.	1887, carrots.	Wm. Ogilvie.	Muskoka.
	83	46	36	....					
	46	25	18	....					
	62	38	22	....					
	70	39	29	....					
	37	24	10	....					
Excellent, large, plump, clean	79	42	37	48		Heavy clay, with very tenacious clay sub-soil.	1878-87, grass and clover mixture.	F. J. Sleightholm.	Peel.
Excellent, large, plump, clean	96	47	49	51					
Excellent, large, plump, clean	108	52	56	50					
Excellent, large, plump, clean	113	60½	52½	48					
Excellent, large, plump, clean	126	63	63	49					
Excellent, large, plump, clean	115	60	55	48					

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fertilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	Six-rowed Barley.	I.	Salt.....400 lb.	May 10	Aug. 1	Stiff, bright and clean.....
		II.	Superphosphate .....400 lb.	May 10	Aug. 1	Medium in stiffness and brightness.....
		III.	Ground apatite.....400 lb.	May 10	Aug. 1	Stood better than II.....
		IV.	Fresh wood ashes.....400 lb.	May 10	Aug. 1	Clean but weakest ... .
		V.	Farmyard manure*	May 11	Aug. 1	Taller but rather weaker than IV. .....
		VI.	No manure.....	May 10	Aug. 1	Short and weak.....
1888.	Six-rowed Barley.	I.	Salt..... ....400 lb.	Apr. 30	Aug. 14	Bright .....
		II.	Superphosphate .....400 lb.	Apr. 30	Aug. 14	Bright ....
		III.	Ground apatite ....400 lb.	Apr. 30	Aug. 14	Bright .....
		IV.	Fresh wood ashes..... . 400 lb.	Apr. 30	Aug. 14	Bright .....
		V.	Farmyard manure .....12 tons	Apr. 30	Aug. 14	Bright ....
		VI.	No manure.....	Apr. 30	Aug. 14	Bright .....
1888.	Six-rowed Barley.	I.	Salt..... ... ..400 lb.	May 8	Aug. 10	Heavy .....
		II.	Superphosphate.....400 lb.	May 8	Aug. 10	Medium..... .....
		III.	Ground apatite .....400 lb.	May 8	Aug. 10	Medium..... ....
		IV.	Fresh wood ashes.....400 lb.	May 8	Aug. 10	.....
		V.	Farmyard manure*	May 8	Aug. 10	Heavy .....
		VI.	No manure.....	May 8	Aug. 10	Medium.....
1888.	Six-rowed Barley.	I.	Salt.....400 lb.	Apr. 28	Aug. 1	Bright and good length.....
		II.	Superphosphate.....400 lb.	Apr. 28	Aug. 1	Short .....
		III.	Ground apatite .....400 lb.	Apr. 28	Aug. 1	Fair..... .....
		IV.	Fresh wood ashes.... ....400 lb.	Apr. 28	Aug. 1	Fair.....
		V.	Farmyard manure	Apr. 28	Aug. 1	Fair... .. ..
		VI.	No manure.....	Apr. 28	Aug. 1	Fair.....
1888.	Six-rowed Barley.	I.	Salt.....400 lb.	Apr. 23	July 24	Fair length and bright.....
		II.	Superphosphate ..... 400 lb.	Apr. 23	July 28	L'gest, slightly colored.....
		III.	Ground apatite .....400 lb.	Apr. 23	July 28	Short and bright.....
		IV.	Fresh wood ashes.....400 lb.	Apr. 23	July 28	Short, thin and bright.....
		V.	Farmyard manure ....14 tons	Apr. 23	July 24	Largest and stoutest, dark ....
		VI.	No manure	Apr. 23	July 28	Shortest but bright... .....
1888.	Six-rowed Barley.	I.	Salt.....400 lb.	Apr. 26	Aug. 3	.....
		II.	Superphosphate .....400 lb.	Apr. 26	Aug. 3	.....
		III.	Ground apatite .....400 lb.	Apr. 26	Aug. 3	....
		IV.	Fresh wood ashes.....400 lb.	Apr. 26	Aug. 3	.....
		V.	Farmyard manure	Apr. 26	Aug. 3	....
		VI.	No manure	Apr. 26	Aug. 3	....
1888.	Six-rowed Barley.	I.	Salt.....400 lb.	May 19	Aug. 8	Medium length, stiff and bright
		II.	Superphosphate .....400 lb.	May 19	Aug. 8	Medium length, bright. .....
		III.	Ground apatite .....400 lb.	May 19	Aug. 8	Heaviest, stiff and bright .....
		IV.	Fresh wood ashes.....400 lb.	May 19	Aug. 8	Similar to I. and II.....
		V.	Farmyard manure	May 19	Aug. 8	Uneven length, fair crop .....
		VI.	No manure	May 19	Aug. 8	Medium crop, soft .. ..

WITH FERTILISERS.—*Continued.*

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel.	Remarks.	Nature of soil.	Previous cropping.	Name of experimenter.	County.
Clean and plump	125	87	38	....	More manure during previous year.	Sandy loam, clay sub-soil on foundation of limestone gravel.	1886, clover meadow. 1887, fall wheat.	J. E. Brethour.	Brant.
A good sample	110	76	34	....	.....				
A good sample	113	73	40	....	.....				
A good sample	114	78	36	....	.....				
A good sample; color not as good.	112	74	38	....	.....				
Not as plump as others.	94	61	33	....	.....				
Bright but not very plump.	36¾	17	19¾	....	.....	Heavy clay.	1882, pease. 1883, fall wheat. 1884, hay. 1885, hay. 1886, pasture. 1887, pasture.	D. N. McIntyre.	Bruce.
Bright but not very plump.	38¼	17¾	20½	....	.....				
Bright but less plump	33¼	15¾	17⅝	....	.....				
Bright but less plump	30⅜	15¼	15	....	.....				
Bright & fairly pl'mp	38¾	19	19¾	....	.....				
Bright and not very plump.	39	18¾	20¼	....	.....				
Very bright	....	.....	28¼	....	.....			Luke Gibbons.	York.
.....	....	.....	24½	....	.....				
.....	....	.....	18½	....	.....				
.....	....	.....	21	....	.....				
.....	....	.....	26¼	....	.....				
.....	....	.....	23	....	.....				
Rather best sample	119½	64½	55	....	.....	Loam, quite rich in vegetable matter.	1886, meadow. 1887, wheat.	E. M. Zavitz.	Middlesex.
.....	103	50	53	....	.....				
.....	93	48	45	....	.....				
.....	102	55	47	....	.....				
.....	91	51	40	....	.....				
.....	97½	52½	45	....	.....				
Bright and plump	97	48½	48½	....	.....	Very gravelly clay.	1886, buckwheat. 1887, barley.	W. S. Clapp.	Prince Edward
Dark and plump	96	49	47	....	By small apple tree.				
Bright and good	70	30	40	....	By small apple tree.				
Bright	71	31	40	....	By small apple tree.				
A fai sample only	111	56	55	....	.....				
Bright	52	22	33	....	By small apple tree.				
.....	104	48	50½	48½	.....	Friable clay, poorest piece on the farm.	1883, hay. 1885, fall wheat 1887, oats.	John Hunter.	Lambton.
Smooth and clean	120	52	54	48	Does best on my land				
.....	104	45	49	48	.....				
.....	100	41	48	48	.....				
.....	104	43	50	48⅝	.....				
.....	85	40½	45	47¼	.....				
Good and bright	115	55	60	49½	.....	Strong clay loam.	1883, pasture. 1884, hay. 1885, hay. 1886, barley. 1887, fall wheat	Joshua Smithson.	Peterborough.
Good, fairly bright	121	66	55	49	.....				
Good, fine heads	134	63	71	49½	.....				
Good, simil'r to oth'rs	116	58	58	49	.....				
Fair, not so even as others	117	67	50	48	Ripened unevenly				
Fair, medium sample	120	67	53	48½	.....				

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fertilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	Six-rowed Barley.	I.	Salt..... 400 lb.	May 10	July 29	Short .....
		II.	Superphosphate .....400 lb.	May 10	July 29	Short .. ..
		III.	Ground apatite .....400 lb.	May 10	July 29	Short .....
		IV.	Fresh wood ashes.....400 lb.	May 10	July 29	Short ... .
		V.	Farmyard manure ...40 cart loads	May 10	July 29	Short ....
		VI.	No manure	May 10	July 29	Short ....
1883.	Six-rowed Barley.	I.	Salt ....400 lb.	May 9	Aug. 1	Stiffest straw .....
		II.	Superphosphate .....400 lb.	May 9	Aug. 1	.....
		III.	Ground apatite.....400 lb.	May 9	Aug. 1	.....
		IV.	Fresh wood ashes..... 400 lb.	May 9	Aug. 1	....
		V.	Farmyard manure	May 9	Aug. 1	.....
		VI.	No manure	May 9	Aug. 1	....
1888.	Six-rowed Barley.	I.	Salt..... .....400 lb.	May 11	Aug. 7	Coarse and stiff .....
		II.	Superphosphate .....400 lb.	May 11	Aug. 7	Thick and stiff.....
		III.	Ground apatite.....400 lb.	May 11	Aug. 7	Delicate, thin on ground....
		IV.	Fresh wood ashes.....400 lb.	.....	.....	....
		V.	Farmyard manure	.....	.....	.....
		VI.	No manure	May 11	Aug. 7	Stiff.....
1888.	Six-rowed barley.	I.	Salt..... .....400 lb.	Apr. 25	July 20	Stiff and bright .....
		II.	Superphosphate ..... 400 lb.	Apr. 25	July 20	Stiff and bright ....
		III.	Ground apatite .....400 lb.	Apr. 25	July 20	Very fair .. ..
		IV.	Fresh wood ashes.....400 lb.	.....	.....	....
		V.	Farmyard manure	Apr. 25	July 20	Tall and somewhat rusted ..
		VI.	No manure	Apr. 25	July 20	Rusted a little, rather short.
1888.	Six-rowed barley.	I.	Salt.....400 lb.	May 10	Aug. 4	Clean and bright.....
		II.	Superphosphate .....400 lb.	May 10	July 30	Clean and bright.... .....
		III.	Ground apatite .....400 lb.	May 10	Aug. 4	Fairly bright, not as even ...
		IV.	Fresh wood ashes.....	May 10	Aug. 4	Medium..... .....
		V.	Farmyard manure ..... 9 tons	May 10	Aug. 4	Medium..... .....
		VI.	No manure	May 10	Aug. 4	Medium..... .....
1887 Second year.	Six-rowed barley.	I.	Salt.....400 lb.	Apr. 26	July 28	Good .....
		II.	Superphosphate ..... 400 lb.	Apr. 26	July 28	Good ....
		III.	Ground apatite..... ..400 lb.	Apr. 26	July 28	Good ....
		IV.	Farmyard manure.....10 tons	Apr. 26	Aug. 3	Good ....
		V.	No manure	Apr. 26	Aug, 3	Good .....
1888.	Red Fife Wheat.	I.	Salt.....400 lb.	April 25	Aug. 22	Almost black with rust.....
		II.	Superphosphate ....400 lb.	April 25	Aug. 22	Almost black with rust.....
		III.	Ground apatite.....400 lb.	April 25	Aug. 17	Badly rusted ....
		IV.	Fresh wood ashes.....400 lb.	April 25	Aug. 23	Almost black with rust.....
		V.	Farm-yard manure.....	April 25	Aug. 23	Almost black with rust.....
		VI.	No manure	April 25	Aug. 23	Almost black with rust.....

WITH FERTILISERS.—*Continued.*

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel.	Remarks.	Nature of soil.	Previous cropping.	Name of experimenter.	County.
.....	....	.....	28	52	Stood drouth best; greenest when cut.	Clay loam.	1887, corn.	G. W. Buchanan	Prince Edward.
....	....	.....	25½	50	.....				
....	....	.....	25	50	....				
....	....	. ...	26	49	....				
....	....	.....	26½	50	.....				
....	....	.....	25	50	.....				
....	....	41	34	....	. . ..	Clay loam, gravelly subsoil.	1886, pease. 1887, oats, and manured afterwards.	Wm. Tennant.	Brant.
.....	....	34	28	....	....				
.....	....	36	28	....	....				
.....	....	25	23	....	. . ..				
.....	....	26	24	....	... .				
....	....	21	19	....	....				
Plump and bright ..	....	... ..	48	48	Uneven, patchy.	Clay loam, fair, natural drainage.	1886, sod. 1887, oats.	Nelson Monteith	Perth.
Plump and bright ..	....	.....	54	49½	Ripened evenly, heads large				
Not very plump	....	...	30	46½	Heads small.....				
. .....	....	..	...	....	....				
.....	....	.....	...	....	....				
Fair sample	....	...	47	48	Straw not very he'vy				
Fair quality.....	240	160	80	50	.....	Black loam, inclined to clay loam.	1865-85, pasture (virgin soil). 1886, turnips. 1887, corn.	L. J. W. Shipley	Middlesex.
Large.....	256	168	88	52	... .				
Plump	242	161	81	50	....				
.....	....	162*	80*	....	.....				
Plump	248	164	84	50	....				
A little inferior	220	151	69	49	....				
Plump	90	35½	44½	....	.....	Clay loam of a little sandy nature.	1886, timothy. 1887, corn.	W. M. Calder.	Wentworth.
Plump	89	34½	42½	...	....				
Good and plump....	78½	31½	37	....	....				
Medium.....	68½	29	30	....	Not sure as to quantity of ashes.....				
Medium.....	80	38½	33	....	Manure poorly rott'd				
Medium.....	57	28	24	....	....				
Bright and plump ..	112	58½	53½	....	.....	Clay loam.	1885, wheat. 1886, fallow. 1887, Union oats, with fertilisers applied.	C. A. Zavitz	Wellington. (O.A.C.)
Bright and plump ..	86½	43½	43	....	....				
Bright and plump ..	107½	55½	52	....	.....				
Bright and plump ..	116	54⅜	61¼	....	.....				
Bright and plump ..	109	52¼	56¾	...	... .				
.....	72	44	19	56	.....	Clay loam.	1885, wheat and manured. 1886, oats. 1887, turnips and manured.	Thomas Bolton.	Wellington.
.....	85	44	19	56	.....				
.....	89	48	23	60	Apatite took lead after rain				
....	87	47	19	56	Looked best in cold May weather				
....	86	43	17	54	Manureplowed und'r				
....	67	36½	14	52	....				

TABLE OF EXPERIMENTS

Year of fertilising.	Variety of grain.	No. of plot.	Fertilisers, quantity per acre.	When sown.	When harvested.	General appearance of straw.
1888.	Red Fife Wheat.	I.	Salt .....400 lb.	April 25	.....	Short, bright and strong....
		II.	Superphosphate .....400 lb.	April 25	.....	Darker and larger than I.....
		III.	Ground apatite... .....400 lb.	April 25	.....	Short and weak.....
		IV.	Fresh wood ashes.....400 lb.	April 25	.....	Uniform and finer than II. ..
		V.	Farm-yard manure.....	April 25	.....	Long and coarse .....
		VI.	No manure..... ..	April 25	....	Uneven ....
1888.	Red Fife Wheat.	I.	Salt ....400 lb.	April 23	Aug. 8	No. 1 quality.....
		II.	Superphosphate .....400 lb.	April 23	Aug. 11	No. 4 quality.....
		III.	Ground apatite.....400 lb.	April 23	Aug. 11	No. 5 quality..... ....
		IV.	Fresh wood ashes.....400 lb.	April 23	Aug. 13	No. 3 quality... .....
		V.	Farm yard manure.....	April 23	Aug. 14	No. 2 quality.....
		VI.	No manure	April 23	Aug. 13	No. 6 quality.....
1888.	Red Fife Wheat.	I.	Salt.....400 lb.	May 5	.....	.....
		II.	Superphosphate .....400 lb.	May 5	.....	....
		III.	Ground apatite. .....400 lb.	May 5	.....	....
		IV.	Fresh wood ashes..... ...400 lb.	May 5	....	.....
		V.	Farm yard manure.....	May 5	.....	.. ..
		VI.	No manure.	May 5	.....	.....
1888.	Red Fife Wheat.	I.	Salt.... .....400 lb.	April 5	July 25	Bright and strong .....
		II.	Superphosphate .....400 lb.	April 5	July 25	Fair and not so bright. .....
		III.	Ground apatite.....400 lb.	April 5	July 25	About same as above.. . ..
		IV.	Fresh wood ashes.....400 lb.	April 5	July 25	Heavy but dark... .....
		V.	Farm yard manure.....	April 5	.....	Average.....
		VI.	No manure	April 5	July 30	Fair .....
1887 Second year.	Red Fife Wheat.	I.	Salt.....400 lb.	April 26	Aug. 9	No. 1 quality... .....
		II.	Superphosphate ....400 lb.	April 26	Aug. 9	No. 1 quality.....
		III.	Ground apatite.....400 lb.	April 26	Aug. 9	No. 3 quality.....
		IV.	Farm yard manure.....	April 26	Aug. 9	No. 2 quality.....
		V.	No manure	April 26	Aug. 9	No. 3 quality..... .....

WITH FERTILISERS.—*Continued.*

General appearance of grain.	Weight. Whole crop.	Weight. Straw.	Weight. Grain.	Weight of grain per bushel.	Remarks.	Nature of soil.	Previous croppings.	Name of experimenter.	County.
.....	78	23	23	....	.....	White clay with heavy subsoil. It runs together in wet weather, and in dry weather it bakes and cracks.	1885, fallow. 1886, fall wheat. 1887, barley.	Wm. Sharp.	Simcoe.
.....	73	29	33	....	.....				
.....	74	19	18	....	.....				
.....	66	30	27	....	.....				
.....	76	34	33	....	.....				
.....	57	23	23	....	.....				
No. 1 quality.....	69½	38	31½	71	Ripened evenly ...	Loam with very hard sub-soil.	1886, lucerne. 1887, wheat.	W. J. McNiven.	Wentworth.
No. 3 quality.....	73½	45	28⅓	68	Ripened evenly ...				
No. 5 quality.....	68	42	26	72	Ripened unevenly.				
No. 2 quality.....	66	40	26	65	Ripened unevenly.				
No. 6 quality.....	98	59	39	64	Ripened evenly...				
No. 4 quality.....	87½	52	35½	66	Ripened unevenly.				
Somewhat shrunken.	44	32	12	56	.....	Sandy loam.	1886, old sod. 1887, oats.	J. D. Knowlton.	Leeds.
Somewhat shrunken.	52	38½	13½	56	.....				
Somewhat shrunken.	54	40½	13½	56	.....				
Somewhat shrunken.	58	41	17	56	.....				
Somewhat shrunken.	57	39½	17½	56	.....				
Somewhat shrunken.	58	46½	11½	56	.....				
Good and bright....	....	.....	29	61½	Salt on stiff clay I think best	Heavy clay, well drained.		John Cook.	Leeds.
Good.....	....	.....	30	61	Too expensive				
Fair	....	.....	28	60	.....				
Good, not so bright .	....	.....	30	59½	.....				
Plump, small & dark.	....	.....	32	61⅛	Valued highly				
Average	....	....	28	60	.....				
No. 1 quality.....	92½	63½	29	....	.....	Clay loam.	1885, wheat. 1886, fallow. 1887, Union barley with fertilisers applied.	C. A. Zavitz.	Wellington (O.A.C.)
No. 3 quality.....	91½	67	24½	....	.....				
No. 2 quality.....	80½	55¼	25¼	....	.....				
No. 5 quality.....	105½	79½	26	....	.....				
No. 4 quality.....	98½	73¾	24¾	....	.....				

The average yield of each grain from the different fertilisers is shown in the following table:

	Fertilisers.	Weight per acre in lb.		Weight of grain per bushel.
		Straw.	Grain.	
Egyptian Oats, 10 experiments.	Salt.....400 lb.	2,557	1,427	39.6
	Superphosphate.....400 lb.	2,481	1,487	39.6
	Ground apatite.....400 lb.	2,410	1,428	39.6
	Fresh wood ashes.....400 lb.	2,300	1,298	39.1
	Farm-yard manure *.....	2,706	1,576	38.7
	No manure.....	2,480	1,294	38.7
White Cluster Oats, 13 experiments.	Salt.....400 lb.	2,064	1,168	37.0
	Superphosphate.....400 lb.	1,979	1,204	37.3
	Ground apatite.....400 lb.	1,711	1,013	36.8
	Fresh wood ashes.....400 lb.	1,912	1,076	37.4
	Farm-yard manure *.....	1,946	1,119	37.7
	No manure.....	1,806	983	37.1
Common 6-rowed Barley, 12 experiments.	Salt.....400 lb.	2,394	1,758	49.3
	Superphosphate.....400 lb.	2,377	1,769	50.0
	Ground apatite.....400 lb.	2,220	1,656	49.1
	Fresh wood ashes.....400 lb.	2,221	1,588	48.5
	Farm-yard manure *.....	2,406	1,698	49.2
	No manure.....	2,087	1,512	48.5
Red Fife Wheat, 5 experiments.	Salt.....400 lb.	1,371	916	61.1
	Superphosphate.....400 lb.	1,565	992	60.3
	Ground apatite.....400 lb.	1,495	868	62.0
	Fresh wood ashes.....400 lb.	1,580	952	59.1
	Farm-yard manure *.....	1,755	1,108	58.9
	No manure.....	1,580	896	58.5
Average of Total, 40 experiments.	Salt.....400 lb.	2,221	1,393.2	
	Superphosphate.....400 lb.	2,189	1,432.0	
	Ground apatite.....400 lb.	2,032	1,307.6	
	Fresh wood ashes.....400 lb.	2,073	1,274.4	
	Farm-yard manure *.....	2,272	1,412.8	
	No manure.....	2,053	1,221.6	

The following shows the average yield of all the grains per acre from each fertiliser during the years 1887 and 1888 :

Fertilisers.	1888.	1887.
	lb.	lb.
Superphosphate.....	1,432.0	1,408.8
Farm-yard manure.....	1,412.8	1,384.8
Salt.....	1,393.2	1,348.4
Ground apatite.....	1,307.6	1,271.6
Fresh wood ashes.....	1,274.4	Not used.
No manure.....	1,221.6	1,252.8

LUCERNE CLOVER.

The following paper on this subject was read by Mr. H. Simmers, Toronto :

Within the last few years we have been trying to procure a substitute for our red clover on account of it being such an uncertain crop, a great deal of seed being thrown on the ground with no result. This is a matter of considerable expense, but still I could not suggest any better substitute. In case, however, the grower is so fortunate as to be successful he has one of the most useful crops for manurial purposes as well as for crop. But to attempt to obviate trouble with red clover I purpose giving a few points in reference to the growing of lucerne clover as a green fodder or, in some cases again, as a crop.

Of course we all know the great usefulness of our red clover. I would not venture to say that lucerne will in the future altogether take its place ; still the observing farmer must allow that it will be necessary to at least try a substitute, so that in case one crop fails another one will be there to take its place. Therefore again I venture to suggest the advisability of trying lucerne.

In name lucerne may not be recognised by some, it being also called alfalfa by California farmers, where it is extensively grown on account of the extremely dry seasons, they being able to cut it four times a year, as we can also do in Canada.

It cannot be said that growing lucerne is an experiment, because a great many farmers in the province of Ontario grow it with remarkable success obtaining crops splendidly adapted for green fodder, and it has also the advantage of being the earliest clover grown.

Lucerne should be sown on a deep soil, although if sown on a dry, light one it will extend its roots downward to a great depth and will show increased luxuriance of growth year after year. It may be sown from the middle of April until the middle of August.

An experiment a few years ago, made by sowing lucerne with Hungarian grass seed proved very successful. The ground on this occasion was thoroughly manured about the first week of June, and the Hungarian grass sown with about twelve pounds of the lucerne. After the Hungarian grass had been cut there was a nice show of lucerne. This was not cut however, but was left until the following spring when, as soon as growth had started, the lucerne shot up rapidly ahead of everything else and we were able to cut it four times that season. The following year it grows with even more wonderful rapidity.

If, for instance, you require it for green fodder and it is cut a little every day, before you have finished cutting your piece of say one acre you may turn arround and commence cutting again, the growth is so rapid—about a foot in ten to fourteen days' time. The experiment referred to was tried on a heavy clay soil, it having been previously cropped with potatoes. The season also was rather dry, and in spite of the disadvantage we had plenty of clover, where others had scarcely any.

As one would imagine, this enormous growth must of course be fed heavily every spring with a top dressing of land plaster, or a good coating of well rotted barnyard manure, which will give to the farmer a sure crop of green fodder every year whether the season be dry or not.

The roots of lucerne clover penetrate the ground for four or five feet and thereby procure the necessary moisture to maintain its growth. I do not say that lucerne is a good soiler ; on the contrary, the necessity of it having to penetrate the ground to such an extent makes it impoverish the land, but by frequent top-dressing it will give a certain crop of green fodder for years to come.

It is also advisable to change the locality where you intend growing lucerne about every seven years, otherwise you must certainly impoverish the land to a very great extent as is self-evident to the practical farmer. Lucerne used as a hay has not been altogether successful, as it is very difficult to cure ; the leaves drop very quickly after it is harvested and, unless in exceptionally favorable weather, you cannot cure it satisfactorily enough to store it in the barn, for this reason I would chiefly recommend it as an indispensable green fodder, ready at all times of the green fodder season. The following analysis will give an accurate idea of its value, 100 parts as taken green from the field May 24 :

ANALYSIS.

Water	69.65	per cent.
Albuminous or flesh forming principles	3.83	"
Fatty matter	.82	"
Heat producing principles, starch, sugar, gum, etc	13.62	"
Woody fibre	8.74	"
Mineral matter or ash	3.04	"
	100.00	per cent.

One hundred parts of the grass dried at 212° Fahrenheit gave the following :—

Albuminous or flesh forming principles	12.96
Fatty matter	2.76
Heat producing principles, starch, gum, etc	40.16
Woody fibre	34.21
Mineral matter or ash	10.11

Thus it will be seen if lucerne could be cured properly for hay a double advantage would be gained by the grower. I have gathered facts from a great many farmers who have grown lucerne in different parts of Canada, all of whom concur that for hay it does not give absolute satisfaction as it assuredly does for green fodder, and as such it has no equal.

Another experiment of lucerne growing was tried by fall sowing where sixteen pounds of seed was sown with one-half bushel of fall rye mixed together and sown broadcast. For this seeding the ground was well harrowed and rolled after it was sown. The rye soon spread its leaves upon the surface and protected the lucerne until its roots had a good hold of the soil. It being a rather favorable winter it came out all right in the spring. When the rye commenced shooting out its heads it was cut for green fodder, leaving the lucerne nicely started, which was allowed to grow and not cut until the following spring, the result being a crop of lucerne clover that astonished the neighbors. But I do not advocate sowing lucerne exclusively by any farmer.

To illustrate the point of hardiness : red clover almost invariably has a great tendency to heave out before spring, while lucerne has never yet in my experience heaved out even in very severe winters.

Cattle at first do not relish lucerne for a few days when fed green, but after they have become used to it they will eat it as freely as red clover, and with even more appetite.

Many farmers will again say that ensilage corn now that this is being more extensively used, answers our purpose as well as lucerne; but it cannot come up to the point of earliness. Suffice it to say that when you have a patch, or field of lucerne, it is always growing the whole season through, and you can usually cut from it from the middle of May to the end of September.

I repeat again that I would not recommend any farmer to grow lucerne on an extensive scale, especially at first; but there is never any harm trying a half acre or an acre, and you are sure to be astonished at the remarkable crops that you will get from it.

Mr. HUNTER.—I find the first winter that lucerne is apt to heave out, but not afterwards. I have tried ten to twelve acres and my experience is about as Mr. Simmers says.

Mr. RAWLINGS.—I am much in favor of it. It does well on dry clay banks during even such a dry season as last summer. I believe it will come in for pasture. I put some in six years ago and it is in yet.

Mr. HUTT.—I find it liable to winter-kill the first winter, but after that it is all right It does well on high dry ground.

Mr. Elmes.—I have tried it eight years and think highly of it. I believe ultimately it will be the salvation of our country. It gets its nourishment two feet and more down in the sub-soil and cannot be hard on soil within ordinary reach. The first winter I spread manure very lightly over it. When once fixed in the soil there is no danger. It has a very strong root, and if cut at proper time there is no better hay. I find cattle like it better than red clover. I sow twelve pounds per acre.

W. J. Stover.—Three years ago we sowed a piece and since that all the clover has killed out except the lucerne. In California they use it for hay. It is a very early crop.

Mr. Jeffs.—It has been in our section ten to twelve years. You do not want to allow it to get high when pasturing. It is one of our grandest soiling plants.

The President.—Had lucerne the second year three feet high, and states that he never had a better hay crop.

Mr. Elmes.—I have seen it three feet high by June 10th.

Mr. Rennie.—My brother says it is almost the sole hay crop in South America; it stands the drouth well.

Prof. Fletcher.—Some places they get eight cuts from it in the season.

THE POSITION OF GREEN FODDERS IN ONTARIO.

Professor Shaw read the following paper:

These very necessary adjuncts to nearly every kind of farming in Canada that is to be sucessful in the future, have never had their rightful place either in the estimation or the practice of the average Canadian farmer. They can scarcely be said to have had a past, owing to their limited use; it is a hopeful indication that they have a present, and the future that is opening out before them is in a sense without limit.

The capabilities of Canadian agriculture are largely to be determined in the future by the extent to which green fodders are grown. The capacity of our lands to grow and sustain a full complement of stock can only be ascertained when that attention is given to the production of green crops which their importance demands.

The degree of attention that they must receive at the hands of the Canadian farmer must be largely determined by the extent to which stock-keeping is undertaken, for it is only under conditions such as these that we can see any necessity for their utilisation. If the assumption is correct that due attention to the growth of green crops will double the capacity of our farms for this purpose, and I think it is, in this way we get a somewhat forcible idea of the importance of the relation between this branch of farming and its material results. To double the amount of the stock now kept in Ontario, would mean that its value would be increased from $125,000,000 to $250,000,000, to say nothing of the increase that would accrue from the improvement in the quality of the stock, consequent upon the improved condition in which it would be kept, owing to the abundance of nutritive foods, more especially in those seasons of the year when the stock suffers deprivation from a scarcity. This of course would not imply that the gains would be doubled, for the additional labor of growing and handling these would have to be deducted. But on the other hand there would have to be added to the gains the increased enrichment accruing to the lands from the vast increase in the amount of the excrement available for application to the same, and the greatly improved condition in which this must needs be found, owing to the manner in which it is made where this system of soiling is adopted.

There can be no denying it, that robbing the soil of the elements of its fertility is the greatest physical calamity that can come upon any country. It is equally clear that no system of farming will effectually prevent this evil which does not embody stock-keeping as its main feature. And stock-keeping in turn cannot be sustained in its completest form without the abundant growth of green fodders for supplemental food purposes. The

great gain accruing to the farmer of the future by the embodiment of this system in his practice arises not so much from its preventing the abstraction of nutriment from the soil as in preventing its removal through the sale of the food products; for when it is fed to the stock upon the farm by the most approved system, it is all or nearly all returned to it again. In this way there may be a constant accumulation of fertility rather than final abstraction of the same, owing to additional stores drawn from the atmosphere and the sub-soil, which observation and experience have taught us are more than sufficient to replace the loss sustained through the sale of meat, milk and milk-products.

The relative value of green fodders to any agricultural country is largely determined by the adaptability of the soil, and by the nature of the climate. Where the soil is best adapted for the growth of fruits it is less essential than where crops luxuriate, best adapted to live stock growth; but here, too, its importance cannot be ignored, for the keeping of stock in degree is in a manner indispensable to a sustained fruit production, unless through the application of artificial fertilisers. Many fruit-growers are finding out that the cheapest and surest way of enriching their orchards is through beef production in the winter season. In the great wheat belts of the North-west and the corn belts of the American prairies, supplemental crops may be of less importance than to us, especially if these crops are grown only for the purposes of export. Where marsh hay can be cured by no greater outlay than that of $2 per ton, the growth of green fodders will be of but little moment; but as the teeming populations of the closing century crowd westward, making fresh demands upon the capabilities of the soil, here, too, it will be found necessary to grow green fodders to check the deterioration of soils that were once thought to possess an inexhaustable fertility. Where the climate is moist and the winters mild, green fodders are of less importance than where these conditions are reversed. The growth of green fodders will therefore be always relatively more important in Canada than in Great Britain, and conversely the growth of permanent pastures will always be more successful in Great Britain than in Canada. Where permanent grasses can be grown in best form green fodders are less essential, for food can always be more cheaply reaped by the stock where the conditions are suitable than it can be reaped by man and fed to the stock. But permanent grasses of the European types can never be grown in best form in Ontario owing to the frost of winter and the sunshine of summer, which visit us with unfailing regularity. The cold in the one instance freezes out foreign plant life, and the heat in the other in the absence of moisture prevents it from growing. It is the duty of the Canadian farmer therefore to concentrate his attention upon the growth of green fodders, which so freely respond to his effort, rather than the production of permanent pastures which at the best in this country prove very largely a delusive hope. No effort of ours can change the character of the climate of this country, but if we can produce plant growth abundantly in consonance with the characteristics of climate, we have certainly achieved a victory in food production, and this we can do in the growth of green fodders. The hot breath of the winds of June, July and August, aided by the penetrating rays of the sun, with an almost unfailing regularity put to sleep the elemental fevers of plant production as effectively as though these had ceased to exist, and they usually lie in the cradle of inactivity until awakened by the gentle knocking of the autumn rains. These influences so completely and so uniformly arrest pasture growth, that the flocks and herds must travel all the day and far into the night in search of supplies for an unsatisfied appetite, and then oftentimes they must needs lie down to the troubled rest that is the accompaniment of an empty stomach. The result is emaciation that has to be made up, sometimes at the expense of additional supplies of fodder over and above what would otherwise have been required, diminished supplies of milk and returns which in any case are far from satisfactory.

The growth of green fodders obviates the difficulty, for when the fodders are sown in due season they either act as a self-mulch by the shade they afford, or through the cultivation required to grow them in best form burrow their roots deeply in a soil made moist through cultivation. Thus ample stores are provided for food purposes, which in turn furnish ample stores of nutriment for future crops.

The growth of green fodders is absolutely essential to the profitable production of milk, butter or cheese, but little less so to the sustenance of a proper breeding establishment, and though not so essential to the growth of beef, it is an indispensable adjunct

here also. Where beef is the object sought, green fodders are as essential in the dry months of summer and autumn, as in milk production, though less so in winter, but even in winter beef-making, a moderate amount of green fodders in the silage form, or as ordinarily cured, are an advantage.

In breeding establishments green fodders can be used at all times, with almost equal advantage as when used in a dairy, for abundance of milk in a breeding establishment is also a prime factor, underlying large success.

The best results, however, arising from the growth of green fodders are found in the production of dairy products. Here they may be used to best advantage the whole year through, unless in the month of June, when grasses are succulent and abundant, and even then we can imagine their use in the form of rye from the field or of silage to be very advantageous.

It is surely matter of self-congratulation to the farmer that though he is powerless to keep at bay the drouth of summer or the cold of winter, he can by resorting to the judicious growth of green fodders so completely neutralise the antagonistic effects of these hostile influences, that they virtually cease to affect his efforts adversely.

Beef development, more uniform results in breeding, fuller pails of milk, enlarged tubs of butter, better calf and swine development, increased soil fertility, and larger and ever increasing returns follow in the wake of a prudent growth of green fodders, results that are wholly beneficent without any serious corresponding inconveniences.

A relation of this nature can no more be ignored by the successful farmer of the future than could be the relation of improved machinery to the reasonable accomplishment of farm work.

I look upon the growth of green crops of fodder as one of the most important subjects that can engage the attention of the Canadian farmer of to-day. Indeed its undevelopment is probably the great mistake in his present practice. The dry weather of the two past summers caught an overwhelming majority of our farmers napping. They had made little or no preparation for it, hence a shrinkage in the returns from live stock which it would not be easy to estimate. Ordinarily, no farmer need of necessity find himself in this position, for with due precaution green food can be at hand, let the season be what it may.

The extent to which each individual farmer must grow green fodders, must be determined by the quantity and kinds of the stock kept, and the object for which it is kept. The breeders of horses and sheep will find less necessity for growing it than those of cattle, but even with the former, if of the right kinds, as oats and pease mixed, and corn, it will serve an excellent purpose. A less amount will be required for the growth of beef, than when milk is the object sought, but in any case no farmer should be without it, no, not for a single season.

The acreage grown must be determined largely by the situation of the farmer, as regards help, convenience of feeding and storage, with a due regard also to the nature of the soil.

Soils rich in everything requisite for the growth of an abundant pasturage and profuse crop production, will so far render it less imperative to grow a very large amount of green crops. The lighter the soil and the poorer its quality the greater the necessity for growing large quantities of green fodders. Where there is but limited convenience for storage and feeding, the quantity grown must be a moderate one, probably not more than will bring the stock to the holiday season, the ordinary kinds of fodder being fed later. The cheapest receptacle for storage by far is the silo, which also lessens the labor of curing and feeding. The situation of the farmer as regards help must be carefully considered by the growers of green fodders. If their growth and feeding calls for the assistance of an extra hand for only a portion of the time, the balance of which cannot be employed to the best advantage, the benefits from their growth will be seriously lessened.

These considerations must also go far to determine whether the method of soiling practised by the farmer shall be but partial or complete. By a complete method of soiling, I mean the growth of food, green and otherwise, in sufficient quantity to feed all or nearly all the stock in the stables throughout the entire year, unless it be in the night season of the warm months, when they do better sleeping on the sward beneath the broad canopy

of heaven. Where the adoption of this method utilises to good advantage the whole of the time of one or more of its attendants, there can be no reasonable doubt as to its profitableness. It is in no way detrimental to the health of the stock, but rather the opposite, owing to evenness of the conditions to which it may be kept. It also enables the amount of stock kept to be so increased, that it would not be easy to fix a limit to the capabilities of any agricultural country which extensively adopted the system. A complete system of soiling has more of a regard to the growth of cattle, though in a system of mixed husbandry, to which it is not at all antagonistic, its benefits may extend to horses, sheep and swine.

This paper has reference rather to the position of green fodders than to their nature, but a digest of the first would be incomplete without some reference to the second.

In all systems of soiling in Ontario, rye, clover, lucerne, oats and pease, oats and vetches, oats, pease and vetches, corn and rape, must always occupy a prominent place. The importance of rye for this purpose is enhanced by its admitting of the growth of a second crop on its removal, of pease, oats and vetches, which come in season before corn is ready, and yield a large return, or of corn which has no equal in the amount of the product of the fodder per acre.

Rape as a green fodder has not as yet attained that position in the practice of the Canadian farmer of which it is deserving. Its proper cultivation must prove most destructive to the growth of weeds, as the ground on which it is sown may receive treatment up to the time of sowing the rape late in June adapted to a summer fallow, which if followed up by that careful cultivation necessary for the most vigorous development of growth in the rape, must prove fatal to weed life in its most pestiferous form, especially if aided by a little hand hoeing or spudding in the rows. As the rape is pastured where it is grown the necessity of the labor of harvesting is thus obviated.

The growth of green fodders by the cotter would lead to a complete and satisfactory solution of the vexed question of stock running at large upon the highway. The standing and strong plea in favor of live-stock running at large upon the highway is, that the poor man's cow may find a pasture ground. With two-fourths of an acre of land properly cultivated, the cotter with one half of this in green crop can grow enough or nearly enough of produce to keep his cow from July to November, and in far better condition in every way than when he seeks in vain for a sufficient food supply on the highway.

The bearing of the soiling system upon the expenditure entailed in fencing is very significant. The amount of this expensive necessity required is diminished in proportion to the extent to which the soiling system is introduced. A complete system of soiling, in cattle keeping obivates the necessity of the use of fences altogether, unless for purposes of enclosure, where the stock may run at large at night in the summer season.

That green fodders will render it unnecessary to grow root crops, unless where dairying is the exclusive object sought is not probable, but they will reduce the acreage of these required, and hence the amount of hand labor on the farm. It must not be forgotten that there is a close relation between the feeding of roots and the most favorable development of breeding and of beefing stock. It has never yet been demonstrated that young stock especially can be pushed ahead so satisfactorily without as with the use of a liberal supply of roots as a food factor in muscular development.

The growth of green fodders will render the amount of pasturage required to a minimum, and render unnecessary a large hay acreage, in the place of which green crops grown will furnish many times more food. Intruding weeds will have less opportunity of getting a foothold in old meadows, and obtrusive forms of insect life less of a chance of building homes to which the farmer has never invited them.

Green fodders sufficiently grown would obviate the necessity of bare fallow, thus securing a useful and remunerative crop from hundreds of thousands of acres that so often, under the system of past cultivation have lain completely idle the whole year through. This of itself is a weighty consideration in a system of economics, which in present agricultural relations only gives to the average Canadian a return of three per cent. per annum on the money invested.

The progressive farmer of the future cannot ignore the position of supreme importance which green fodders must occupy in the practice of those who are to excel in coming time. He who does so will be so far left in the race. On the other hand, he who grows them successfully will be amply rewarded with increased returns, enriched soils and more satisfactory results in every way.

Mr. RAWLINGS.—I agree with Prof. Shaw about the quantity put in; if corn is sown too thickly it has no substance.

Prof. SHAW.—The corn with no ear and sown thickly is not so nutritive as that sown thinner and cut in glazing stage. I do not think it absolutely conclusive that cutting at glazing stage is the best time, but much evidence appears to show it. I believe that what is sown thin has about as much weight as that sown more thickly.

W. J. STOVER.—I believe in thinner planting, and we now do flat cultivation.

EXPERIMENTAL STATIONS.

Prof. JAMES FLETCHER, in speaking of experimental stations, said he thought the time had arrived when advanced agriculture would be appreciated. Theory without practice was of no avail, while on the other hand practice and theory should go hand in hand. In the work of the various experimental stations, their aim is to get fruit for the northern part of the Dominion, and to get better varieties of everything. Of course it would take time to show results, and they wanted farmers to remember this. In the North-west they intended to grow trees, and benefit the country in that way. About experiments, the failures were even better than the successes, for a knowledge of them might prevent the farmers from making these very failures themselves. At the institutes the farmers not only learn but so do the professors. His own particular work was botany and entomology. Entomology had not been recognised as it should be. There are about 50,000 different insects in the country, and many remedies have already been found, and with experimentation no doubt many more may be found. At present it was estimated that insects destroyed one-tenth of the crops. This no doubt could be reduced to one-twentieth, a great gain secured. Illinois lost $73,000,000 in one year. During 1889 he wanted to try a remedy to destroy the plum curculio, by taking three trees, the centre one to be left unsprayed and the two outside sprayed, and the difference noted. Mr. Fletcher said they were going to try several natural grasses, as he thought it would be a difficult matter to use British grasses, the British climate being too moist for the change.

In reply to Mr. Holtermann he stated that Paris Green on fruit blossoms should not interfere with bees at all. The egg was not deposited by the moth in the blossom until the time of full bloom. It took about eight days until the egg hatched, and until then it was of no use at all to put on the Paris Green. The Paris Green should be put on shortly before the calyx drops, and in all cases after the petals have dropped.

The speaker received a vote of thanks.

LARGE FRUIT CULTURE.

The following paper was read by N. J. Clinton, Windsor:

In considering this subject I find that I am calling your attention to one of the most important branches of the agriculture of Ontario. It is not so interesting perhaps to those of the other provinces, especially the great North-West, where it is reported that the hardy Russian apple might grow, but during my two years sojourn there I failed to observe any species of the apple there whatever. Nevertheless the Manitoban is fond of

apples, and expresses his fondness by paying ten cents a pound for them—which means four medium size apples. Yes, this appetite for fruit these people have, and their rapid increase in numbers leads me to think Manitoba will require a large portion of our surplus fruit, as well as England and the Northern States. Some of you may be surprised at mention of the latter, but I can assure you there were hundreds of barrels shipped to Duluth and the northern shore of lake Superior since the crop of 1888 came in. A leading newspaper reports there were 986,924 barrels of apples shipped from the Atlantic for the European market up to December 8th of this year, against 415,711 barrels for the same period last year. The total shipment of one million barrels was about double that of any previous year on record. Ontario's exports for the year ending 30th June, 1888, to Great Britain was 65,802 barrels, valued at $144,994, and to the United States 160,268 barrels, valued at $258,593. Adding to this the thousands of barrels consumed in our own cities and towns, gives us some idea of the greatness of the apple production of this country.

Having briefly called your attention to some of the markets of these fruits, I will now attempt to show a few facts why Ontario should be a fruit producing province. She has more mileage of lake and river shore than any state in the American Union according to her size. Her land ranks among the first for fertility, and is nearly all undulating, allowing good drainage, and she is well dotted with forests, to protect the orchards from the strong winds that blow across the more prairie like states, and our shipping facilities are ranked among the best to get our produce to the leading markets of the world.

Although it may not be profitable for us all to engage in fruit growing for market, still the majority of us can have a few fruit trees around our houses (although the location may not be the best) to give comfort and cheer to the family circle, thereby adding both to their health and happiness, and exerting a refining influence in the moulding of their character. To those so situated I would recommmend a few varieties for planting. Early Harvest, Red Astrachan, Late Strawberry, Gravenstein, Tompkins Co. King, Baldwin, Wagener, Golden Russett, Rhode Island Greening, Northern Spy, Esopus Spitzenburg in apples; Bartlett, Seckle, Flemish Beauty, B. d'Anjou, B. Clairgrau, Winter Nellis, in pears; Lombard, Damson, Washington, Green Gage in plums; Early Crawford, Crawford's Late Heath (cling) Oldmixon (free) in peaches; and Black Tartarian, May Duke and Early Richmond in cherries.

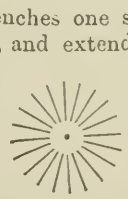
To those who make a specialty of fruit or are intending so to do, it is necessary for them to see that their individual locality is particularly adapted for it, for the Government has made no provision for our protection, and I trust it never will be necessary. The land should be slightly elevated and undulating, and the nearer to a body of water the better. The next best thing is to have a bush or timbered land on the west and north sides of it. If it is impossible to have both, the west side is preferable. The advantage gained by these natural circumstances, I explained fully in my notes on the Location of a Pear Orchard last year. If we have not these natural protections, a hedge planted of Norway spruce, hemlock, or Osage orange, would soon grow up and afford an ample protection against the wind. It is of great advantage to be situated close by a town or city, also to be near a shipping point, but if we have any distance to haul our fruit it is best to use a spring waggon.

In selecting for this class I will only attempt to name some of the best varieties of the apple and pear, for with these two I have had the most experience. For the former in addition to those already named I would recommend the Twenty Ounce, Duchess Oldenburg, Dutch Mignon, Fall Pippin, Peck's Plesant, Fameuse, Jonathan, Roxbury Russett, Talman Sweet; and for pears the addition of Louis Bonne, Jersey, Clapp's Favorite, Belle Lucrative, Tyson, Easter Beurre, White Doyenne, Beurre Diel, Vicar of Winkfield, Laurence, Duchess d'Angouleme and Sheldon. Both lists are for the southerly part of Ontario. Now as we have representatives here from some of the northern counties, I will mention a special list for them. For apples Red Astrachan, Sops of Wine, Duchess of Oldenburg, Early Joe, Fall Orange, Talman Sweet, Tetofsky, Fameuse, St. Lawrence, Wagener, Pomme Gris, Golden Russett, Carthouse, Northern Spy and Wealthy. The next on the list are hardy pears—Flemish Beauty, Urbaniste, Fulton, Buffum, Onondaga, Sheldon, Beurre d'Anjou, McLaughlin, Winter Nellis, Laurence and Tyson. After

making the best selections of trees we can of some reliable nursery, we then prepare for planting. Having selected the location already, it is necessary to thoroughly cultivate the ground, not omitting to sub-soil plow it, and if underdrained all the better, although this can be done afterwards by putting the drains between rows. For the convenience of setting out, one writer recommends marking the distance by making a stitch of red yarn through the line intended for use at every so many feet; cut up a lot of wooden pegs, stretch the line across one side and place a peg at each mark of red yarn on the line, then remove the line at right angles to the original or base placing pegs as before, then mark the end and you can mark and plant each row across and the result will be very accurate. As a contrivance for placing the tree in right place to save trouble of sighting, take a six inch board six feet long and cut a slot in the middle of it; then make two holes at equal distance from it large enough for a peg to be driven through; place the board so that the slot is around the original peg; drive a peg through each hole; then remove board and dig hole, when all that is necessary is to fit board to the two stakes and the slot is the place for tree. The holes should be of good size, both in depth and diameter, and the ragged ends of roots pared off with a sharp knife; also cut the top part of the tree back to correspond with the amount of roots left after transplanting. The first season or two should be a hoed crop, potatoes, mangels, etc., are preferable for the first year, then a crop of corn either for ensilage or grain, cultivating between the rows.

I set out sixty young pear trees last spring of eight varieties, and every one made a fair start during the season, some making shoots eighteen inches long; however the season was favorable. The land was underdrained and on the same we had a good crop of potatoes planted in sod. Next season I will put in seed corn for fodder, and cultivate between the rows. I shall use the knife on them this spring, cutting them where necessary and arranging the limits so as to have a good framework for tree. If we want the limbs to spread we should cut just above the buds on the underside; if to extend upwards cut just above the bud on the upper side of shoot; by this means the trimmer can determine largely the shape of the tree. If the pruning is followed up annually it will be better for the trees and less labor for the individual, and in consequence there is less liability to have many large cuts to make, which are somewhat dangerous. If the trimming has been left until the trees have grown to considerable size they will require pretty severe cutting. In doing so we should remove the superfluous limbs at the bottom first and work up to thinning out the top with a pruning hook so as to let in the light for the benefit of both tree and fruit. It is advisable to divide this work into two or three seasons, as the tree will stand it better. Various coatings are used for the cut surfaces, such as grafting wax, fine sand, brick dust and powdered chalk, mixed with warm gas tar; the latter is a good cheap mixture.

For renovating old trees, dig trenches one spade wide and two feet to four feet apart running horizontally to the tree, and extending out to about the same distance as heigth of tree, so that the fibrous roots may get the benefit, and not too close to the trunk for fear of injuring large roots, and fill in with a compost of two-thirds turf, one-fourth farmyard manure and one-twelfth ashes. If done in autumn the roots will be prepared to penetrate it in early spring, and the trees if not past recovery will make new growth. If the orchard is in grass, hogs and sheep if allowed to run will do it good. The former are preferable both for keeping the insects in check by consuming the fallen fruit and manuring and renovating the land with their snouts.



For the protection of trees and fruit against insects, scrape the former with an old oe, file or a triangular shaped scraper, apply a wash of softsoap, ashes soaked in water, or itewash. To protect the fruit of the apple or plumb it has been found of late beneficial to spray the trees with a force pump, etc., just as the blossoms are falling, and again when the fruit is formed just before the apples turn downward with Paris Green or London Purple, the latter preferable. This followed up by keeping the fallen apples all gathered up will give you a much better sample of fruit in the fall.

In picking or harvesting the crop of fruit, we cannot be too careful. Those most interested should as far as possible either do the work themselves or see to it personally; in any case have one reliable person responsible for it all. We use step ladders principally, and avoid climbing in the tree as much as possible, especially in the pear tree. A bag with the ends joined by a rope thrown over the shoulder and a stick across the mouth of it to keep it open is a capital thing in picking either apples or pears, for both hands are free and you can lay the fruit carefully in the bottom of a barrel or basket without bruising it. It is advisable to pick almost all varieties of pears before they get too ripe, especially the early ones. The house ripening seems to improve their color and flavor, if kept in a dark cool room between blankets or in drawers. Late apples are the better for lying a week or ten days, in piles on the ground, so as to sweat them and get rid of any exterior moisture; but not so with pears. An acquaintance of mine in the south of Essex, tried it with some fifty bushels of Duchess d'Angouleme pears and then shipped them in sugar barrels, covered with canvas to Windsor, by boat. The consequence was that they were nearly black with bruises and only brought fifty cents per bushel, where they might if properly handled have brought $2.

In sorting fruit for market we should be careful also. I would suggest having two barrels side by side, putting the very finest in one marked "extra fine," and in the other good sound fruit marked "first class." What is left use up at home for making dried apples, apple jelly or cider, or feed to stock. Don't ship any but the first two grades. I try and sort so that the fruit shall be as near a size as possible, putting large fruit by itself, medium the same, and smaller in another basket, and I sell the latter for what it is worth, thereby getting a better price for the fruit.

In conclusion let me urge you to grow the best fruit you can. Take the best care of it possible when picking and packing, so that by each individual engaged giving it his special care, when our produce reaches foreign markets and is stamped "Ontario Fruit" it will find ready sale and the highest figure.

LIVE STOCK EXPERIMENTS.

A discussion was opened by Mr. Stover, followed by Mr. Zavitz, on the advisability of taking up a series of experiments in live stock. Prof. James and others also urged the members to take up this line of work as some were able to make experiments in one line of investigation while others could better engage in another line. A committee was then elected as follows: A. E. Wark, Wanstead; F. J. Sleightholm, Humber; J. J. Sinclair, Ridgetown; H. H. Dean, Harley; and G. Harcourt, St. Ann's, to make arrangements and issue instructions for experiments with live stock.

Mr. Craig suggested the advisability of a committee going to Toronto to interview the Minister of Agriculture about an increased grant, as the usual allowance is entirely inadequate to allow the Union to undertake such experimental work as the members seem ready and willing to enter upon.

It was moved by Mr. Holtermann, seconded by Mr. Craig, and carried unanimously, that Messrs. Zavitz and Stover be appointed a committee to interview the Minister of Agriculture on the matter, after which the meeting closed.

BINDING SECT. AUG 23 1961